

EDACPOWER



Power on your future

EDAC POWER

ELECTRONICS CO., LTD.

Switching Adaptor & Power Supply



Company Profile

With more than **25** years of experience, **EDAC POWER** is one of the global power supply manufacturers in Standard & Custom-Made Solutions. EDAC POWER has dedicated in the power supply field since 1998, with a variety of AC/DC Switching power supply, USB Type-C adaptor, DC/DC converter, Battery charger, LED power supply, Open framed/Enclosed high power, and Down-sized solutions.

With wide power design ranges 4.5W to 2500W, our diverse portfolio enables us to serve the clients across various industries, include ICT, Medical, E-bike, Lighting, Industrial, etc.

EDAC POWER head office is located in Taipei, Taiwan, focuses on general management, finance, Sales, and R&D. The designs developed by our R&D team turn into products in the manufacturing plants in Suzhou, Dongguan, and Taiwan, with Quality and Environment management system - ISO 9001 & ISO 14001 certified. Three locations house around 600 employees.

In addition to ISO 9001 and ISO 14001, our facilities are also certified with ISO 14064 and ISO 14067 for greenhouse gas emissions monitoring and carbon footprint management, as well as ISO 13485 for medical device quality management. These certifications demonstrate our commitment to high standards in environmental responsibility and medical-grade reliability.

With the commitment to quality, reliability, and customer satisfaction, our journey is deeply rooted in a passion for technology advancement and customer-centric values. Moreover, by embracing eco-friendly practices and green technologies, we commit to minimize the carbon emissions and contribute towards to a greener, more sustainable future.



Taipei, Taiwan (HQ)

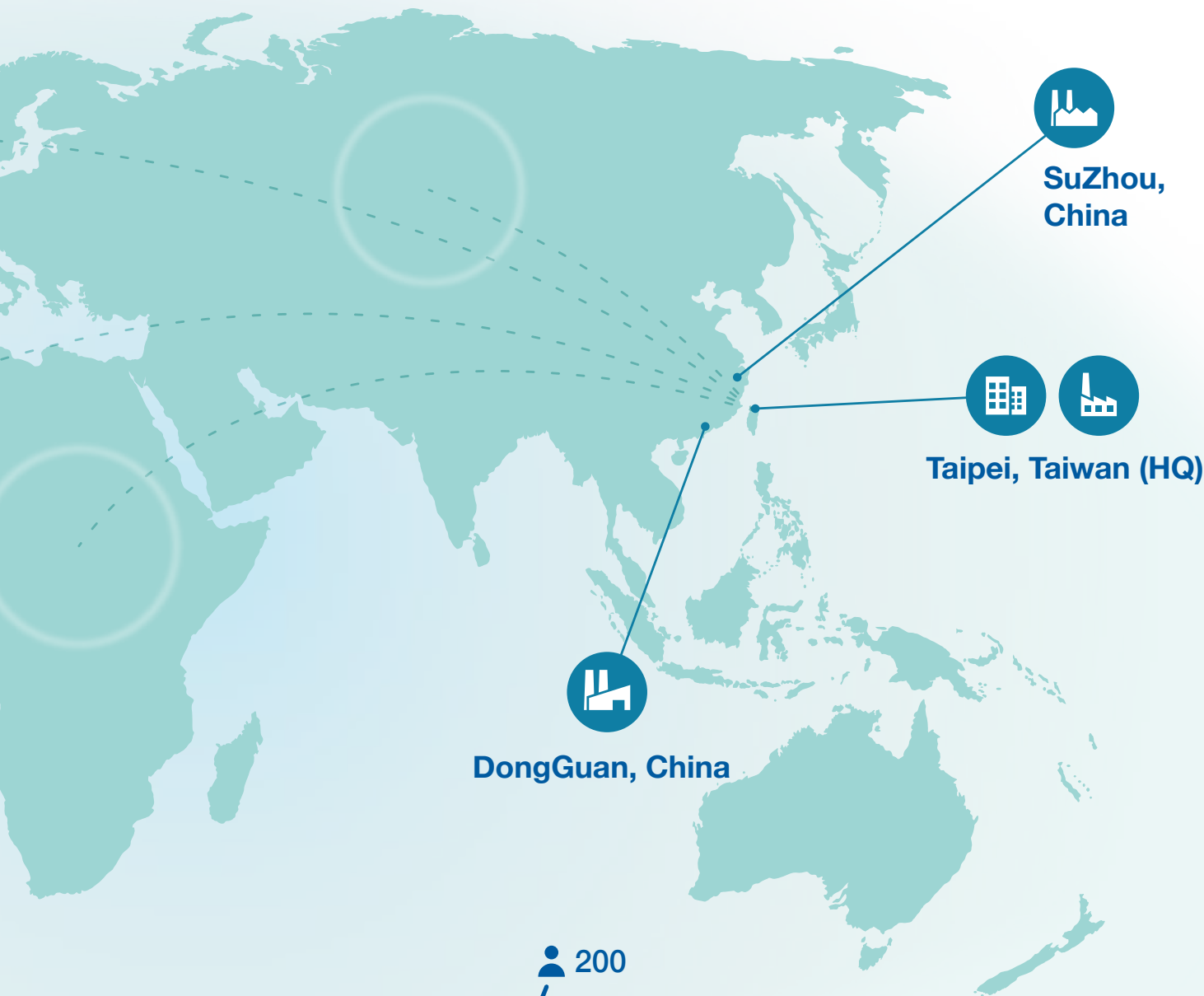
Administration & Factory / Sales / R&D / Procurement



SuZhou, China

Factory / Sales / R&D

Locations

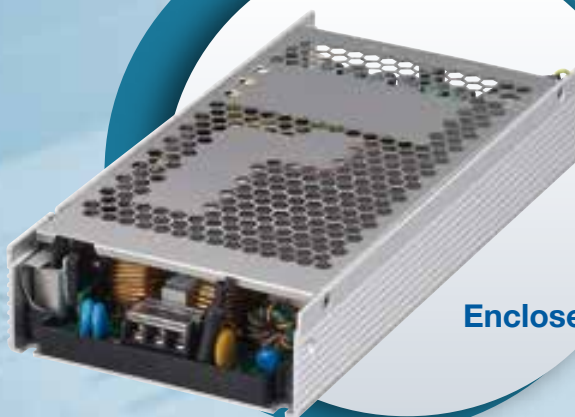


/ Procurement



DongGuan, China

Factory / Sales / R&D / Procurement



**Enclosed Switching
Power Supply**



Medical Power Supply



DC/DC Switching Converter

Product



ITE/ICT Switching
Power Supply



Battery Charger

Category



PD Charger (USB Type-C)



Open Frame Switching
Power Supply

ITE/Medical GaN Adaptor

Features

- | | |
|---|-------------------------------|
| • IEC/EN/UL 62368-1 & IEC/EN/UL 60601-1 (ed.3.2) Compliance | • Gallium Nitride Solution |
| • Universal Input 100-240VAC | • 2 x MOPP Compliance |
| • Compact Size | • Customized Design Available |
| • Energy Efficiency up to 95% | • MTBF>100,000 hours |
| • Protections: Short Circuit / Over Voltage / Over Current / Over Temperature | |



Series

Output Power

Output Voltage

Size (mm)

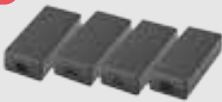
EM1067S

48~65W

12~56V

75L x 75W x 30H

NEW



EM1107

100~130W

12~56V

137L x 59W x 34H

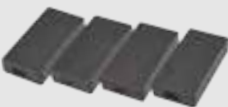


EM1180

135~180W

12~56V

151.3L x 75.8W x 25.4H



EM1251

200~250W

12~56V

170L x 84W x 30H

NEW



EM1331

230~330W

12~56V

200L x 100W x 36H

NEW



EM1420

330~420W

12~56V

200L x 100W x 36H



EM1450

450~500W

19~56V

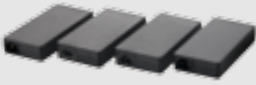
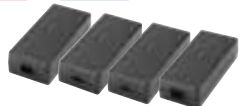
260L x 95W x 43H



USB-C GaN PD Charger

Features

- IEC/EN/UL 62368-1 or IEC/EN/UL 60601-1 (ed.3.2) Compliance
- Gallium Nitride Solution
- Universal Input 100-240VAC
- Customized Design Available
- PD3.0/PD3.1 & QC4+ Compliance
- MTBF>100,000 hours
- Protections: Short Circuit / Over Voltage / Over Current / Over Temperature (optional)

	Series	Output Power	Output Voltage	PD	QC	USB port
	EU204AS	45W	5/9/12/15/20V	PD3.0	QC4+	1A+1C
	EU306AS	65W	5/9/12/15/20V	PD3.0	QC4+	1A+2C
	EU106A	65W	5/9/12/15/20V	PD3.0	QC4+	-
NEW 	EU124B	240W	5/9/15/20/ 28/36/48V	PD3.1	-	-
NEW Medical 	EUM106A	45/65W	5/9/12/15/20V	PD3.0	QC4+	1C
NEW Medical 	EUM110A	85/100W	5/9/12/15/20V	PD3.0	-	-
NEW Medical 	EUM114A	140W	5/9/12/15/20/28V	PD3.1	-	-



ITE/ICT Switching Power Supply					PAGE
	EA1005 Series	Wall mount type	• 4.5~6W Max.	2	
	EA1005 Series	Interchangeable plug	• 4.5~6W Max.	3	
	EA1012 Series	Wall mount type	• 12W Max.	4	
	EA1012 Series	Interchangeable plug	• 12W Max.	5	
	EA1019 Series	Wall mount type	• 15~24W Max.	6	
	EA1019 Series	Interchangeable plug	• 15~24W Max.	7	
	EA1024 Series	Desktop type	• 16~36W Max.	8	
	EA1024 Series	Wall mount type	• 16~36W Max.	9	
	EA1024 Series	Interchangeable plug	• 16~36W Max.	10	
	EA1041 Series	Desktop type	• 25~48W Max.	11	
	EA1044 Series	Desktop type	• 25~48W Max.	12	

Down-Size

ITE/ICT Switching Power Supply

PAGE



EA1045S Series

Interchangeable plug

• 36~48W Max.

13



EA1062S Series

Interchangeable plug

• 60~65W Max.

14



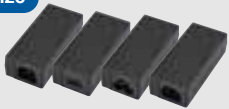
EA1068 Series

Desktop type

• 25~72W Max.

15

Down-Size



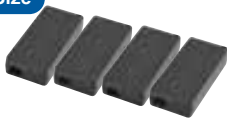
EA1073 Series

Desktop type

• 40~65W Max.

16

Down-Size



EA1093 Series

Desktop type

• 80~100W Max.

17

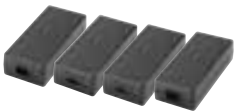


EA1095 Series

Desktop type

• 80~100W Max.

18



EA1101 Series

Desktop type

• 80~130W Max.

19

Down-Size



EA1121 Series

Desktop type

• 100~135W Max.

20

Down-Size



EA1153 Series

Desktop type

• 135~150W Max.

21

Down-Size



EA1183 Series

Desktop type

• 130~180W Max.

22

Down-Size



EA1232 Series

Desktop type

• 180~230W Max.

23

ITE/ICT Switching Power Supply

PAGE



EA1252 Series

Desktop type

• 190~250W Max.

24

NEW

GaN



EA1280 Series

Desktop type

• 240~280W Max.

25

GaN



EA1360 Series

Desktop type

• 300~360W Max.

26

NEW

GaN



EA1600 Series

Desktop type

• 550~600W Max.

27

Medical Power Supply



EM1005 Series

Wall mount type

• 4.5~6W Max.

29



EM1005 Series

Interchangeable plug

• 4.5~6W Max.

30



EM1012 Series

Wall mount type

• 12W Max.

31



EM1012 Series

Interchangeable plug

• 12W Max.

32



EM1019 Series

Wall mount type

• 15~24W Max.

33

Medical Power Supply

PAGE



EM1019 Series

Interchangeable plug

• 15~24W Max.

34



EM1024 Series

Desktop type

• 16~36W Max.

35



EM1024 Series

Wall mount type

• 16~36W Max.

36



EM1024 Series

Interchangeable plug

• 16~36W Max.

37

GaN



EM1067S Series

Interchangeable plug

• 48~65W Max.

38



EM1068 Series

Desktop type

• 25~72W Max.

39

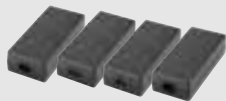


EM1095 Series

Desktop type

• 80~100W Max.

40



EM1101 Series

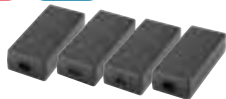
Desktop type

• 80~130W Max.

41

NEW

GaN



EM1107 Series

Desktop type

• 100~130W Max.

42

GaN



EM1180 Series

Desktop type

• 135~180W Max.

43

GaN



EM1251 Series

Desktop type

• 200~250W Max.

44

Medical Power Supply

PAGE

NEW

GaN



EM1331 Series

Desktop type

• 230~330W Max.

45

NEW

GaN



EM1420 Series

Desktop type

• 330~420W Max.

46

GaN



EM1450 Series

Desktop type

• 450~500W Max.

47

PD Charger(USB Type-C)

GaN



EU204AS Series

Interchangeable plug

• 45W Max.

49

GaN



EU306AS Series

Interchangeable plug

• 65W Max.

50-51

GaN



EU106A Series

Desktop type

• 65W Max.

52

NEW

GaN



EU124B Series

Desktop type

• 240W Max.

53

NEW

GaN



EUM106A Series

Interchangeable plug

• 45~65W Max.

54

NEW

GaN



EUM110A Series

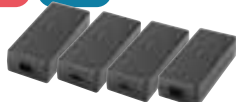
Desktop type

• 85~100W Max.

55

NEW

GaN



EUM114A Series

Desktop type

• 140W Max.

56

PD Charger(USB Type-C)

PAGE



EA1045 Series

Wall mount type

• 30~45W Max.

57



EA1045 Series

Interchangeable plug

• 30~45W Max.

58



EA1045S Series

Interchangeable plug

• 30~45W Max.

59



EA1062S Series

Interchangeable plug

• 60~65W Max.

60



ED1046P Series

PD Car Adaptor

• 45W Max.

61

Battery Charger

For 42V-10S battery pack use



EC1085 Series

Lithium-ion Battery Charger

• 42~84W Max.

63

NEW

For 29.4V-7S & 42V-10S & 54.6V-13S battery pack use



EC116A Series

Lithium-ion Battery Charger

• 84~168W Max.

64



EA1089 Series

Lead-Acid Battery Charger

• For 24V Lead-Acid

65



EA1118 Series

Lead-Acid Battery Charger

• For 24V Lead-Acid

66

Battery Charger

PAGE



EA1148 Series

Lead-Acid Battery Charger

• For 24V Lead-Acid

67



EA1230B Series

Lead-Acid Battery Charger

• For 24V Lead-Acid

68

Open Frame Switching Power Supply



EPM104A Series

Medical / ITE Open Frame

• 30~48W Max.

70



EPM106A Series

Medical / ITE Open Frame

• 45~65W Max.

71



EPM1122 Series

Medical / ITE Open Frame

• 100~150W Max.

72



EPM1153 Series

Medical / ITE Open Frame

• 130~200W Max.

73

NEW

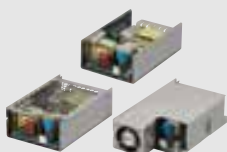


EPM118A Series

Medical / ITE Open Frame

• 150~450W Max.

74



EPMV350 Series

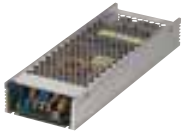
Medical / ITE Open Frame

• 300~500W Max.

75-77

Enclosed Switching power supply

PAGE



EP1500 Series

Enclosed

• 500W Max.

79



EP1800 Series

Enclosed

• 750~800W Max.

80



EP11000 Series

Enclosed

• 960~1008W Max.

81



EP11500 Series

Enclosed

• 1500~1512W Max.

82

DC/DC Switching Converter



ED1032 Series

DC/DC Switching Converter

• 20~50W Max.

84



ED1046 Series

DC/DC Switching Converter

• 36~45W Max.

85

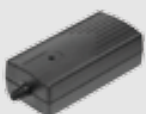


ED1058 Series

DC/DC Switching Converter

• 41~72W Max.

86

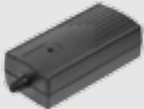


ED1062 Series

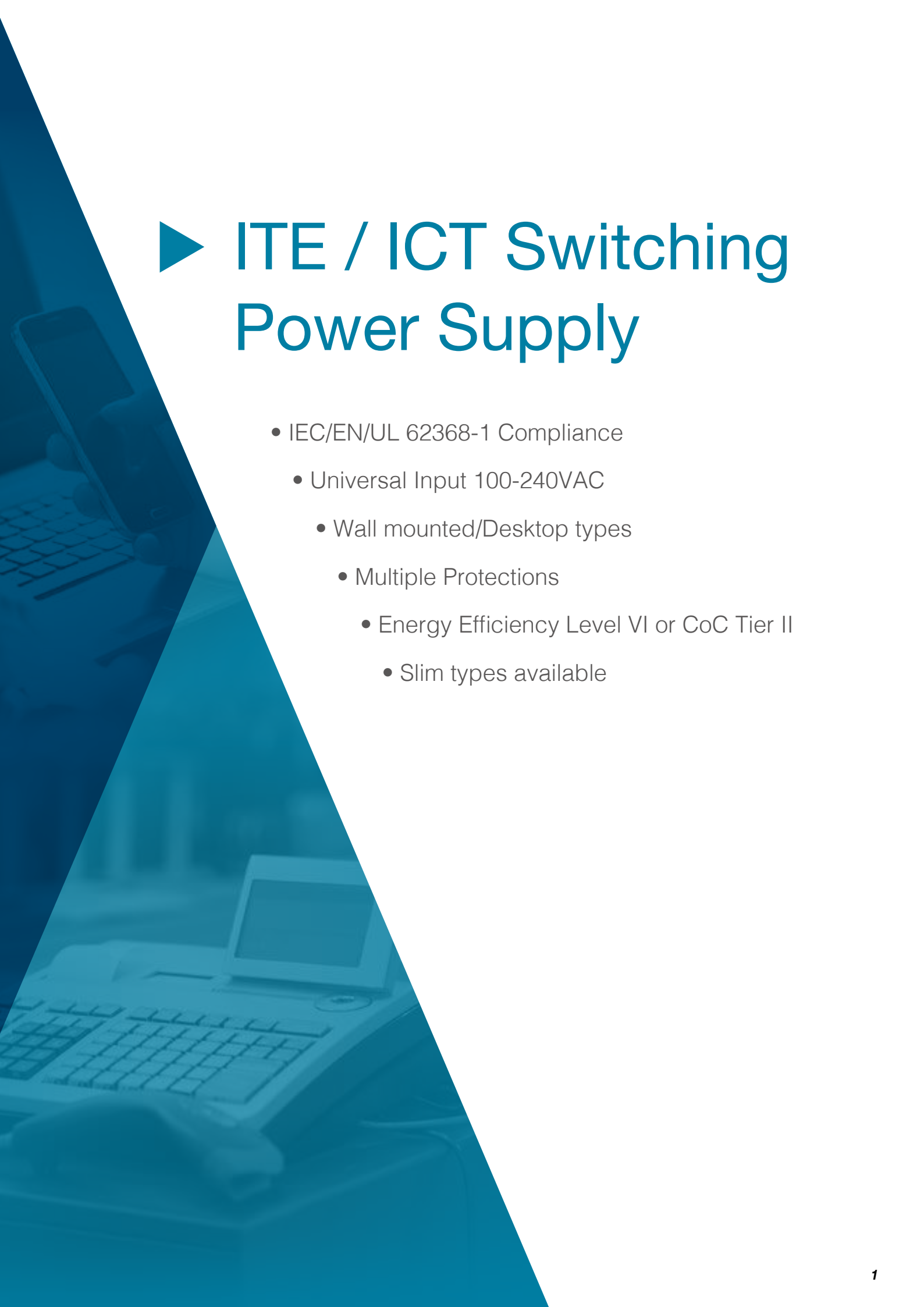
DC/DC Switching Converter

• 90W Max.

87

DC/DC Switching Converter				PAGE
	ED1075 Series	DC/DC Switching Converter	• 75W Max.	88
	ED1096 Series	DC/DC Switching Converter	• 90W Max.	89
	ED1097 Series	DC/DC Switching Converter	• 90W Max.	90
	ED1010 Series	DC/DC Switching Converter	• 120W Max.	91

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Plug List of Output Cable		92-93
Milestone		94-95
Safety		96



▶ ITE / ICT Switching Power Supply

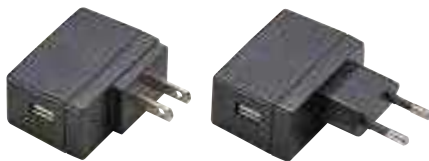
- IEC/EN/UL 62368-1 Compliance
- Universal Input 100-240VAC
 - Wall mounted/Desktop types
 - Multiple Protections
 - Energy Efficiency Level VI or CoC Tier II
 - Slim types available

AC/DC Wall Mount Adaptor

Vertical (USB & SR Type)



Horizontal (USB & SR Type)



Features

- LPS Compliance
- Protections :
Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.1W$ (VI), $\leq 0.075W$ (Tier II)
- MTBF > 100,000 hours

EA1005 X Y Z T - vv PP

- X:** Output range
Y: Case type: (V)Vertical or (H)Horizontal
Z: AC plug type: • U: USA • E: EU • K: UK
T: Output type: U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1005AYZT	6W	5~8V	0A	1.2A	$\pm 5\%$	$\pm 1\%$	100mV
EA1005BYZT	6W	9~12V	0A	0.66A	$\pm 5\%$	$\pm 1\%$	180mV
EA1005CZYT	4.5W	9V	0A	0.5A	$\pm 5\%$	$\pm 1\%$	180mV
EA1005DZYT	6W	9V	0A	0.67A	$\pm 5\%$	$\pm 1\%$	180mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 0.6A$
- Inrush Current: $\leq 60A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 5s$

PROTECTION

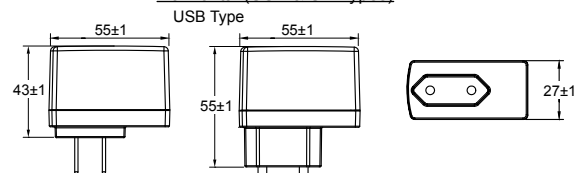
- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery

ENVIRONMENT

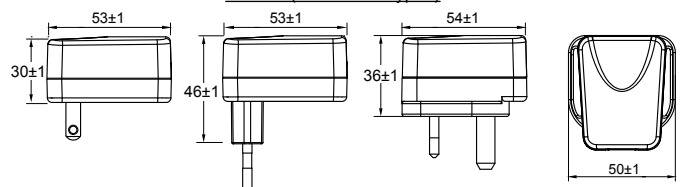
- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

MECHANICAL

Horizontal (USB & SR Types)



Vertical (USB & SR Types)



- Case Size: Horizontal: USB: 55L x 27W x 55H (mm)
SR: 55L x 25W x 55H (mm)
Vertical: USA: 53L x 41W x 30 H (mm)
EU: 53L x 41W x 46H (mm)
UK: 54L x 50W x 36H (mm)
- AC Plug: U: USA, E: EU, K: UK
- Weight: 70g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, UKCA

AC/DC Interchangeable Adaptor

Features

- LPS Compliance
- Protections:
Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.1\text{W}$ (VI), $\leq 0.075\text{W}$ (Tier II)
- MTBF > 100,000 hours

EA1005 X Y R T - w PP

- X:** Output range
Y: Case type: (V)Vertical
R: Interchangeable AC plug:
• U: USA • E: EU • K: UK • A: SAA • C: China
• B: Korea • I: India
T: Output type: U (USB) or S (SR)
w: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1005AVRT	6W	5~8V	0A	1.2A	$\pm 5\%$	$\pm 1\%$	100mV
EA1005BVRT	6W	9~12V	0A	0.66A	$\pm 5\%$	$\pm 1\%$	180mV
EA1005CVRT	4.5W	9V	0A	0.5A	$\pm 5\%$	$\pm 1\%$	180mV
EA1005DVRT	6W	9V	0A	0.67A	$\pm 5\%$	$\pm 1\%$	180mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current $\leq 0.6\text{A}$
- Inrush Current $\leq 60\text{A}/230\text{VAC}$
- Hold Up Time $\geq 8.3\text{ms}$
- Turn On Time $\leq 5\text{s}$

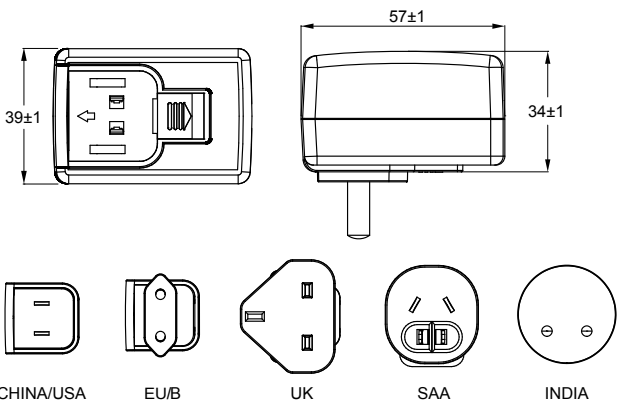
PROTECTION

- Short Circuit Protection Auto Recovery
- Over Voltage Protection Auto Recovery
- Over Current Protection Auto Recovery

ENVIRONMENT

- Operating Temperature -20 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

MECHANICAL



- Case Size: 57L x 39W x 34H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
B: Korea, I: India
- Weight: 70g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, UKCA

AC/DC Wall Mount Adaptor

Vertical (USB & SR Type)



Horizontal (USB & SR Type)



Features

- LPS Compliance
- Protections:
Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.1W$ (VI), $\leq 0.075W$ (Tier II)
- MTBF > 100,000 hours

EA1012 X Y Z T - vv PP

- X:** Output range
Y: Case type: (V)Vertical or (H)Horizontal
Z: AC plug type: • U: USA • E: EU • K: UK
T: Output type: U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1012AYZT	12W	5~8V	0A	2.4A	$\pm 5\%$	$\pm 1\%$	100mV
EA1012BYZT	12W	9~11V	0A	1.33A	$\pm 5\%$	$\pm 1\%$	180mV
EA1012CZYT	12W	12~17V	0A	1A	$\pm 5\%$	$\pm 1\%$	250mV
EA1012DZYT	12W	18~24V	0A	0.66A	$\pm 5\%$	$\pm 1\%$	350mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 1A$
- Inrush Current: $\leq 60A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 5s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery

ENVIRONMENT

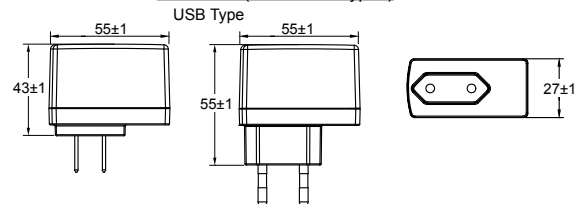
- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

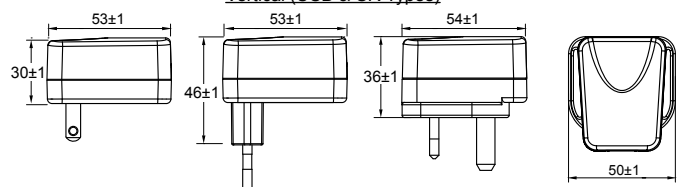
- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA, BSMI
- Certified for assigned models: CCC, PSE, RCM

MECHANICAL

Horizontal (USB & SR Types)



Vertical (USB & SR Types)



- Case Size: Horizontal: USB: 55L x 27W x 55H (mm)
SR: 55L x 25W x 55H (mm)
Vertical: USA: 53L x 41W x 30H (mm)
EU: 53L x 41W x 46H (mm)
UK: 54L x 50W x 36H (mm)
- AC Plug: U: USA, E: EU, K: UK
- Weight: 70g

AC/DC Interchangeable Adaptor



Features

- LPS Compliance
- Protections:
Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.1\text{W}$ (VI), $\leq 0.075\text{W}$ (Tier II)
- MTBF > 100,000 hours

EA1012 X Y R T - w PP

- X:** Output range
Y: Case type (V)Vertical
R: Interchangeable AC plug:
 • U: USA • E: EU • K: UK • A: SAA • C: China
 • B: Korea • I: India
T: Output type U (USB) or S (SR)
w: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1012AVRT	12W	5~8V	0A	2.4A	$\pm 5\%$	$\pm 1\%$	100mV
EA1012BVRT	12W	9~11V	0A	1.33A	$\pm 5\%$	$\pm 1\%$	180mV
EA1012CVRT	12W	12~17V	0A	1A	$\pm 5\%$	$\pm 1\%$	250mV
EA1012DVRT	12W	18~24V	0A	0.66A	$\pm 5\%$	$\pm 1\%$	350mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current $\leq 1\text{A}$
- Inrush Current $\leq 60\text{A}/230\text{VAC}$
- Hold Up Time $\geq 8.3\text{ms}$
- Turn On Time $\leq 5\text{s}$

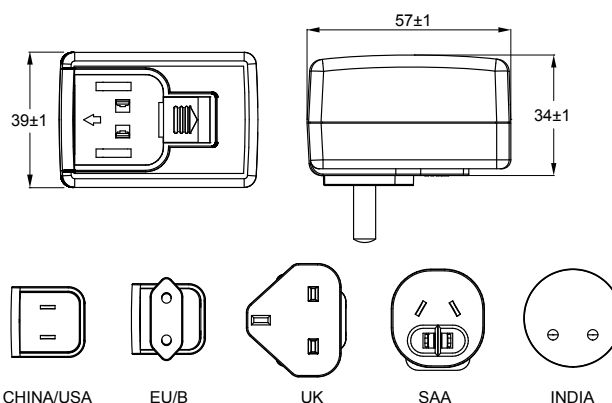
PROTECTION

- Short Circuit Protection Auto Recovery
- Over Voltage Protection Auto Recovery
- Over Current Protection Auto Recovery

ENVIRONMENT

- Operating Temperature -20 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

MECHANICAL



- Case Size: 57L x 39W x 34H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
B: Korea, I: India
- Weight: 70g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA, BSMI
- Certified for assigned models: CCC, PSE, RCM

AC/DC Wall Mount Adaptor

Features

- LPS Compliance
- Protections:
Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.1W$ (VI), $\leq 0.075W$ (Tier II)
- MTBF > 100,000 hours

EA1019 X Y Z T - vv PP

- X:** Output range
Y: Case type: (V)Vertical or (H)Horizontal
Z: AC Plug: • U: USA • E: EU • K: UK • A: SAA • C: China
T: Output type: S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
 or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1019AYZS	15W	5~8V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
EA1019BYZS	20W	9~13V	0A	2A	$\pm 5\%$	$\pm 1\%$	180mV
EA1019CZYS	20W	14~19V	0A	1.42A	$\pm 5\%$	$\pm 1\%$	200mV
EA1019DZYS	20W	20~27V	0A	1A	$\pm 5\%$	$\pm 1\%$	250mV
EA1019EYZS	20W	28~35V	0A	0.71A	$\pm 5\%$	$\pm 1\%$	280mV
EA1019FYZS	20W	36~48V	0A	0.55A	$\pm 5\%$	$\pm 1\%$	360mV
EA1019GYZS	18W	5~8V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
EA1019HZYS	24W	9~13V	0A	2A	$\pm 5\%$	$\pm 1\%$	180mV
EA1019JZYS	24W	14~19V	0A	1.71A	$\pm 5\%$	$\pm 1\%$	200mV
EA1019KZYS	24W	20~27V	0A	1.2A	$\pm 5\%$	$\pm 1\%$	250mV
EA1019MZYS	24W	28~35V	0A	0.85A	$\pm 5\%$	$\pm 1\%$	280mV
EA1019NZYS	24W	36~48V	0A	0.66A	$\pm 5\%$	$\pm 1\%$	360mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 0.8A$
- Inrush Current: $\leq 80A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery

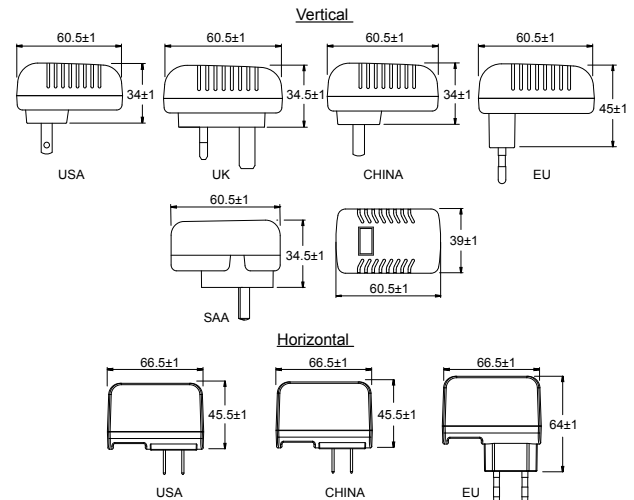
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, NRCAN

MECHANICAL



- Case Size: Vertical: 60.5L x 39W x 45H (mm)
Horizontal: 66.5L x 64W x 26H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
- Weight: 120g

AC/DC Interchangeable Adaptor



Features

- LPS Compliance
- Protections:
Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.1W$ (VI), $\leq 0.075W$ (Tier II)
- MTBF > 100,000 hours

EA1019 X Y R T - vv PP

- X:** Output range
Y: Case type: (V)Vertical
R: Interchangeable AC plug:
 • U: USA • E: EU • K: UK • A: SAA • C: China
 • B: Korea • I: India
T: Output type: S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1019AVRS	15W	5~8V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
EA1019BVRS	20W	9~13V	0A	2A	$\pm 5\%$	$\pm 1\%$	180mV
EA1019CVRS	20W	14~19V	0A	1.42A	$\pm 5\%$	$\pm 1\%$	200mV
EA1019DVRS	20W	20~27V	0A	1A	$\pm 5\%$	$\pm 1\%$	250mV
EA1019EVRS	20W	28~35V	0A	0.71A	$\pm 5\%$	$\pm 1\%$	280mV
EA1019FVRS	20W	36~48V	0A	0.55A	$\pm 5\%$	$\pm 1\%$	360mV
EA1019GVRS	18W	5~8V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
EA1019HVRS	24W	9~13V	0A	2A	$\pm 5\%$	$\pm 1\%$	180mV
EA1019JVRS	24W	14~19V	0A	1.71A	$\pm 5\%$	$\pm 1\%$	200mV
EA1019KVRS	24W	20~27V	0A	1.2A	$\pm 5\%$	$\pm 1\%$	250mV
EA1019MVRS	24W	28~35V	0A	0.85A	$\pm 5\%$	$\pm 1\%$	280mV
EA1019NVRS	24W	36~48V	0A	0.66A	$\pm 5\%$	$\pm 1\%$	360mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 0.8A$
- Inrush Current: $\leq 80A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery

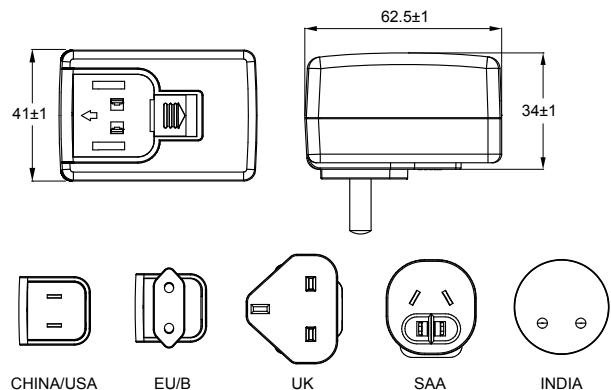
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, BIS, Argentina, RCM, KC, NRCAN

MECHANICAL



- Case Size: 62.5L x 41W x 34H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
B: Korea, I: India
- Weight: 150g

AC/DC Desktop Adaptor



Features

- LED Indicator (optional)
- LPS Compliance
- Protections:
 - Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.1W$ (VI), $\leq 0.075W$ (Tier II)
- MTBF > 100,000 hours

EA1024 X Y - vv PP

- X:** Output range
Y: AC inlet: 1. C14 2. C8 3. C6 6. C18
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1024AY	16W	5~8V	0A	2A	$\pm 5\%$	$\pm 1\%$	100mV
EA1024BY	20W	5~8V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
EA1024CY	24W	5~8V	0A	4A	$\pm 5\%$	$\pm 1\%$	100mV
EA1024DY	18W	9~11V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024EY	24W	9~11V	0A	2A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024FY	27W	9~11V	0A	3A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024GY	20W	12~17V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024HY	30W	12~17V	0A	2.5A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024JY	24W	18~24V	0A	1.33A	$\pm 5\%$	$\pm 1\%$	350mV
EA1024KY	30W	18~24V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	350mV
EA1024MY	20W	36~48V	0A	0.55A	$\pm 5\%$	$\pm 1\%$	480mV
EA1024NY	30W	36~48V	0A	0.83A	$\pm 5\%$	$\pm 1\%$	480mV
EA1024PY	36W	12V	0A	3A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024QY	24W	12V	0A	2A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024RY	36W	24V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	350mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 1A$
- Inrush Current: $\leq 60A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Latch-off
- Over Current Protection: Auto Recovery

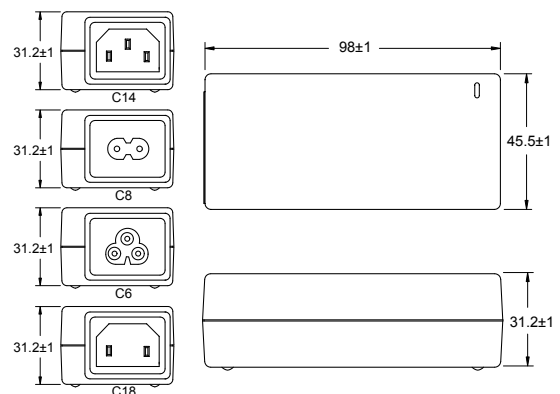
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA, BSMI
- Certified for assigned models: CCC, PSE, BIS, RCM, KC, CU, PSB, NRCAN, Argentina

MECHANICAL



- Case Size: 98L x 45.5W x 31.2H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 200g

AC/DC Wall Mount Adaptor



Features

- LPS Compliance
- Protections:
Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.1W$ (VI), $\leq 0.075W$ (Tier II)
- MTBF > 100,000 hours

EA1024 X Y - vv PP

X: Output range

Y: AC plug: • U: USA • E: EU • K: UK • A: SAA • C: China

vv: Specified output voltage, i.e. 12 is 12VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1024AY	16W	5~8V	0A	2A	$\pm 5\%$	$\pm 1\%$	100mV
EA1024BY	20W	5~8V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
EA1024CY	24W	5~8V	0A	4A	$\pm 5\%$	$\pm 1\%$	100mV
EA1024DY	18W	9~11V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024EY	24W	9~11V	0A	2A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024FY	27W	9~11V	0A	3A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024GY	20W	12~17V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024HY	30W	12~17V	0A	2.5A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024JY	24W	18~24V	0A	1.33A	$\pm 5\%$	$\pm 1\%$	350mV
EA1024KY	30W	18~24V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	350mV
EA1024MY	20W	36~48V	0A	0.55A	$\pm 5\%$	$\pm 1\%$	480mV
EA1024NY	30W	36~48V	0A	0.83A	$\pm 5\%$	$\pm 1\%$	480mV
EA1024PY	36W	12V	0A	3A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024QY	24W	12V	0A	2A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024RY	36W	24V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	350mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 1A$
- Inrush Current: $\leq 60A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Latch-off
- Over Current Protection: Auto Recovery

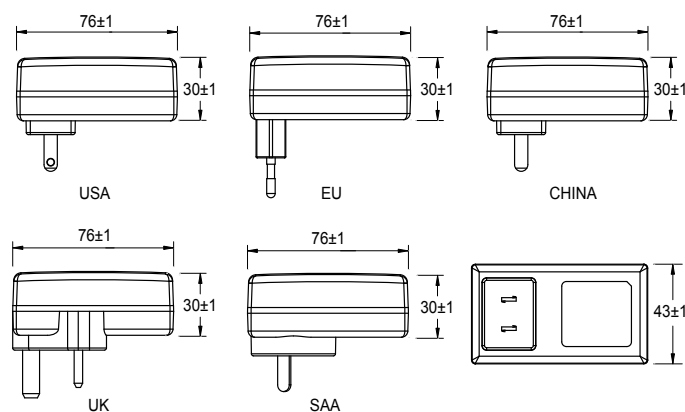
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, BIS, RCM, KC, CU, PSB, NRCAN, Argentina

MECHANICAL



- Case Size: 76L x 43W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
- Weight: 200g

AC/DC Interchangeable Adaptor



Features

- LPS Compliance
- Protections:
Short circuit / Over voltage / Over current
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.1W$ (VI), $\leq 0.075W$ (Tier II)
- MTBF > 100,000 hours

EA1024 X R - vv PP

- X:** Output range
R: Interchangeable AC plug:
 • U: USA • E: EU • K: UK • A: SAA • C: China
 • B: Korea • I: India
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1024AR	16W	5~8V	0A	2A	$\pm 5\%$	$\pm 1\%$	100mV
EA1024BR	20W	5~8V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
EA1024CR	24W	5~8V	0A	4A	$\pm 5\%$	$\pm 1\%$	100mV
EA1024DR	18W	9~11V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024ER	24W	9~11V	0A	2A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024FR	27W	9~11V	0A	3A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024GR	20W	12~17V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024HR	30W	12~17V	0A	2.5A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024JR	24W	18~24V	0A	1.33A	$\pm 5\%$	$\pm 1\%$	350mV
EA1024KR	30W	18~24V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	350mV
EA1024MR	20W	36~48V	0A	0.55A	$\pm 5\%$	$\pm 1\%$	480mV
EA1024NR	30W	36~48V	0A	0.83A	$\pm 5\%$	$\pm 1\%$	480mV
EA1024PR	36W	12V	0A	3A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024QR	24W	12V	0A	2A	$\pm 5\%$	$\pm 1\%$	250mV
EA1024RR	36W	24V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	350mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 1A$
- Inrush Current: $\leq 60A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Latch-off
- Over Current Protection: Auto Recovery

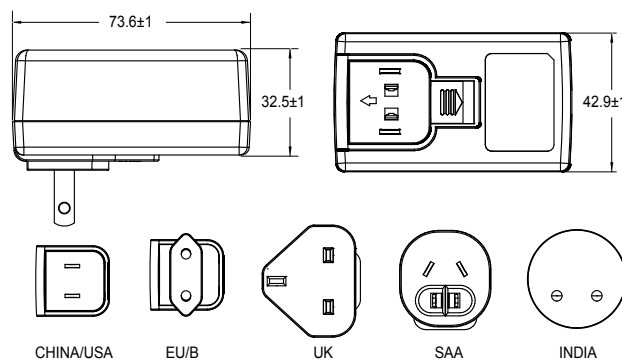
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, BIS, RCM, KC, CU, PSB, NRCAN, Argentina

MECHANICAL



- Case Size: 73.6L x 42.9W x 32.5H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
B: Korea, I: India
- Weight: 200g

AC/DC Desktop Adaptor



Features

- LED Indicator (optional)
- LPS Compliance
- Protections :
Short circuit / Over voltage / Over current
Over temperature (optional)
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.1W$ (VI), $\leq 0.075W$ (Tier II)
- MTBF > 100,000 hours

EA1041 X Y - vv PP

- X:** AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1041XA	25W	5~9V	0A	5A	$\pm 5\%$	$\pm 1\%$	180mV
EA1041XB	36W	9V	0A	4A	$\pm 5\%$	$\pm 1\%$	180mV
EA1041XC	35W	12~16V	0A	2.91A	$\pm 5\%$	$\pm 1\%$	240mV
EA1041XD	40W	12~16V	0A	3.33A	$\pm 5\%$	$\pm 1\%$	240mV
EA1041XE	45W	12~16V	0A	3.75A	$\pm 5\%$	$\pm 1\%$	240mV
EA1041XF	35W	18~24V	0A	1.94A	$\pm 5\%$	$\pm 1\%$	360mV
EA1041XG	40W	18~24V	0A	2.22A	$\pm 5\%$	$\pm 1\%$	360mV
EA1041XH	45W	18~24V	0A	2.5A	$\pm 5\%$	$\pm 1\%$	360mV
EA1041XJ	40W	32~42V	0A	1.25A	$\pm 5\%$	$\pm 1\%$	480mV
EA1041XK	48W	32~42V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	480mV
EA1041XM	40W	44~56V	0A	0.9A	$\pm 5\%$	$\pm 1\%$	660mV
EA1041XN	48W	44~56V	0A	1.09A	$\pm 5\%$	$\pm 1\%$	660mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 1.5A$
- Inrush Current: $\leq 120A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Optional

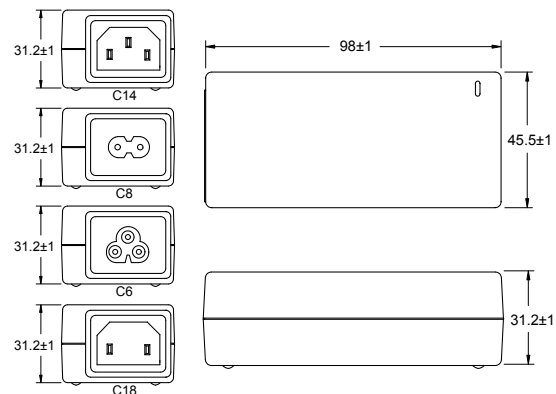
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC

MECHANICAL



- Case Size: 98L x 45.5W x 31.2H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 200g

AC/DC Desktop Adaptor



Features

- Slim Size
- LED Indicator (optional)
- LPS Compliance
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.1W$ (VI), $\leq 0.075W$ (Tier II)
- MTBF > 100,000 hours

EA1044 X Y - vv PP

- X:** AC inlet: 2. C8 3. C6
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1044XA	25W	5~9V	0A	5A	$\pm 5\%$	$\pm 1\%$	130mV
EA1044XB	36W	9V	0A	4A	$\pm 5\%$	$\pm 1\%$	130mV
EA1044XC	45W	12~16V	0A	3.75A	$\pm 5\%$	$\pm 1\%$	180mV
EA1044XD	40W	12~16V	0A	3.33A	$\pm 5\%$	$\pm 1\%$	180mV
EA1044XE	35W	12~16V	0A	2.91A	$\pm 5\%$	$\pm 1\%$	180mV
EA1044XF	45W	18~24V	0A	2.5A	$\pm 5\%$	$\pm 1\%$	250mV
EA1044XG	40W	18~24V	0A	2.22A	$\pm 5\%$	$\pm 1\%$	250mV
EA1044XH	35W	18~24V	0A	1.94A	$\pm 5\%$	$\pm 1\%$	250mV
EA1044XJ	48W	32~42V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	350mV
EA1044XK	40W	32~42V	0A	1.25A	$\pm 5\%$	$\pm 1\%$	350mV
EA1044XM	48W	44~48V	0A	1.09A	$\pm 5\%$	$\pm 1\%$	480mV
EA1044XN	40W	44~48V	0A	0.9A	$\pm 5\%$	$\pm 1\%$	480mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 1A$
- Inrush Current: $\leq 120A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Latch-off
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Latch-off

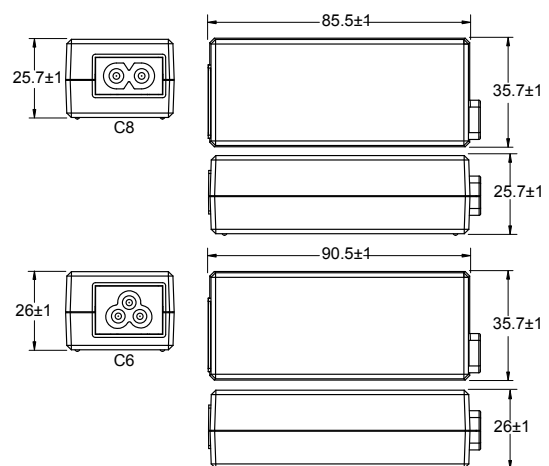
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, BIS, RCM, KC, CU, PSB, NRCAN, Argentina

MECHANICAL



- Case Size: 85.5L x 35.7W x 25.7H (mm) for AC inlet C8
90.5L x 35.7W x 26.0H (mm) for AC inlet C6
- AC Inlet: C8, C6
- Weight: 160g

AC/DC Interchangeable Adaptor



Features

- LED Indicator
- LPS Compliance
- Protections:
Short circuit / Over voltage / Over current
Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.21W$
- MTBF >100,000 hours

EA1062S X R - vv PP

- X:** Output range
R: Interchangeable AC plug:
 • U: USA • E: EU • K: UK • A: SAA • C: China
 • B: Korea • I: India
vv: Specified output voltage, i.e. 24 is 24VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
 or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1062SCR	65W	18~24V	0A	3.61A	$\pm 5\%$	$\pm 1\%$	360mV
EA1062SDR	60W	18~24V	0A	3.33A	$\pm 5\%$	$\pm 1\%$	360mV
EA1062SGR	65W	48~56V	0A	1.35A	$\pm 5\%$	$\pm 1\%$	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 2.5A$
- Inrush Current: $\leq 100A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

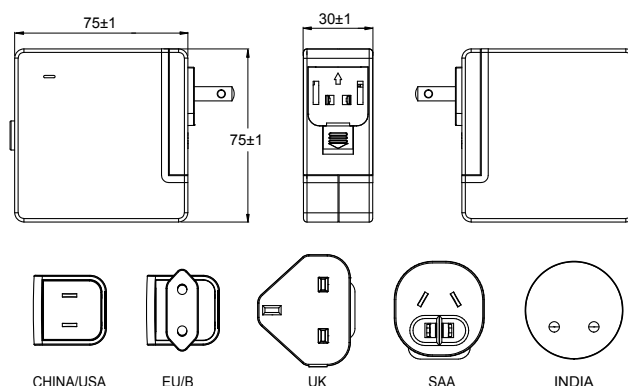
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Optional

ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

MECHANICAL



- Case Size: 75L x 75W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
B: Korea, I: India
- Weight: 300g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, PSE, RCM, KC

AC/DC Interchangeable Adaptor



Features

- LED Indicator
- Protections:
Short circuit / Over voltage / Over current
Over temperature (optional)
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.1W$ (VI), $\leq 0.075W$ (Tier II)
- MTBF > 100,000 hours

EA1045S X R - vv PP

- X:** Output range
R: Interchangeable AC plug:
 • U: USA • E: EU • K: UK • A: SAA • C: China
 • B: Korea • I: India
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
 or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1045SDR	36W	5~9V	0A	5A	$\pm 5\%$	$\pm 1\%$	100mV
EA1045SER	45W	10~17V	0A	3.5A	$\pm 5\%$	$\pm 1\%$	240mV
EA1045SFR	45W	18~26V	0A	2.5A	$\pm 5\%$	$\pm 1\%$	360mV
EA1045SGR	45W	27~40V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	560mV
EA1045SHR	48W	41~56V	0A	1.17A	$\pm 5\%$	$\pm 1\%$	640mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current $\leq 1.5A$
- Inrush Current $\leq 100A/230VAC$
- Hold Up Time $\geq 8.3ms$
- Turn On Time $\leq 3s$

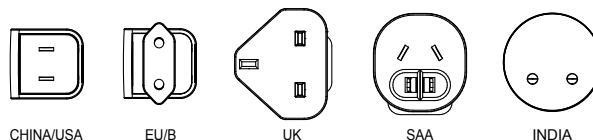
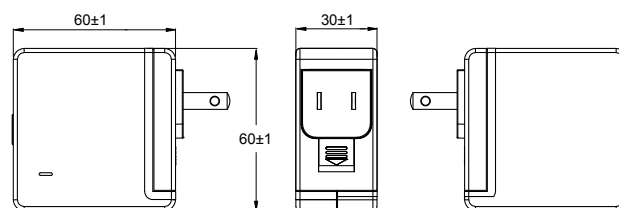
PROTECTION

- Short Circuit Protection Auto Recovery
- Over Voltage Protection Auto Recovery
- Over Current Protection Auto Recovery
- Over Temperature Protection Auto Recovery or Latch-off (optional)

ENVIRONMENT

- Operating Temperature -20 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

MECHANICAL



- Case Size: 60L x 60W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
B: Korea, I: India
- Weight: 190g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, PSE, BIS

AC/DC Desktop Adaptor



Features

- LED Indicator
- LPS Compliance
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature (optional)
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption
 - Less than 50W: $\leq 0.1W$ (VI), $\leq 0.075W$ (Tier II)
 - More than (includes) 50W: $\leq 0.21W$ (VI), $\leq 0.15W$ (Tier II)
- MTBF > 100,000 hours

EA1068 X Y - vv PP

- X:** AC inlet: 1. C14 2. C8 3. C6 6. C18
- Y:** Output range
- vv:** Specified output voltage, i.e. 12 is 12VDC
- PP:** DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1068XA	25W	5~9V	0A	5A	$\pm 5\%$	$\pm 1\%$	180mV
EA1068XB	40W	12~16V	0A	3.33A	$\pm 5\%$	$\pm 1\%$	240mV
EA1068XC	40W	18~24V	0A	2.1A	$\pm 5\%$	$\pm 1\%$	360mV
EA1068XD	40W	32~42V	0A	1.25A	$\pm 5\%$	$\pm 1\%$	630mV
EA1068XE	40W	44~56V	0A	0.9A	$\pm 5\%$	$\pm 1\%$	840mV
EA1068XF	30W	5~9V	0A	6A	$\pm 5\%$	$\pm 1\%$	180mV
EA1068XG	50W	12~16V	0A	4.16A	$\pm 5\%$	$\pm 1\%$	240mV
EA1068XH	50W	18~24V	0A	2.63A	$\pm 5\%$	$\pm 1\%$	360mV
EA1068XJ	50W	32~42V	0A	1.56A	$\pm 5\%$	$\pm 1\%$	630mV
EA1068XK	50W	44~56V	0A	1.13A	$\pm 5\%$	$\pm 1\%$	840mV
EA1068XW	40W	5~9V	0A	8A	$\pm 5\%$	$\pm 1\%$	180mV
EA1068XM	35W	5~9V	0A	7A	$\pm 5\%$	$\pm 1\%$	180mV
EA1068XN	60W	12~16V	0A	5A	$\pm 5\%$	$\pm 1\%$	240mV
EA1068XP	60W	18~24V	0A	3.15A	$\pm 5\%$	$\pm 1\%$	360mV
EA1068XQ	60W	32~42V	0A	1.87A	$\pm 5\%$	$\pm 1\%$	630mV
EA1068XR	60W	44~56V	0A	1.36A	$\pm 5\%$	$\pm 1\%$	840mV
EA1068XY	65W	12~16V	0A	5.42A	$\pm 5\%$	$\pm 1\%$	240mV
EA1068XS	45W	5~9V	0A	9A	$\pm 5\%$	$\pm 1\%$	180mV
EA1068XU	72W	12~16V	0A	6A	$\pm 5\%$	$\pm 1\%$	240mV
EA1068XV	72W	18~24V	0A	3.78A	$\pm 5\%$	$\pm 1\%$	360mV
EA1068XL	72W	32~42V	0A	2.25A	$\pm 5\%$	$\pm 1\%$	630mV
EA1068XT	72W	44~56V	0A	1.63A	$\pm 5\%$	$\pm 1\%$	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 2A$
- Inrush Current: $\leq 120A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Latch-off / Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Optional

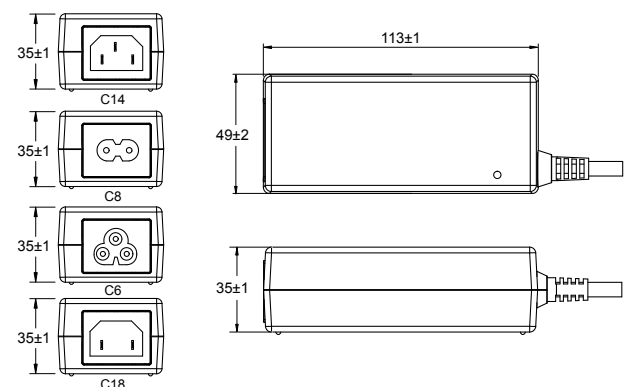
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, BIS, RCM, KC, CU, PSB, NRCAN, Argentina

MECHANICAL



- Case Size: 113L x 49W x 35H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 300g

AC/DC Desktop Adaptor



Features

- Slim Size
- LPS Compliance
- Protections:
Short circuit / Over voltage / Over current
Over temperature (optional)
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption
Less than 50W : $\leq 0.1W(VI)$, $\leq 0.075W$ (Tier II)
More than (includes) 50W: $\leq 0.21W(VI)$, $\leq 0.15W$ (Tier II)
- MTBF > 100,000 hours

EA1073 X Y - vv PP

- X:** AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
 or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1073XA	40W	12~18V	0A	3.33A	$\pm 5\%$	$\pm 1\%$	240mV
EA1073XB	40W	19~24V	0A	2.1A	$\pm 5\%$	$\pm 1\%$	360mV
EA1073XC	40W	32~42V	0A	1.25A	$\pm 5\%$	$\pm 1\%$	630mV
EA1073XD	40W	44~56V	0A	0.9A	$\pm 5\%$	$\pm 1\%$	840mV
EA1073XE	50W	12~18V	0A	4.16A	$\pm 5\%$	$\pm 1\%$	240mV
EA1073XF	50W	19~24V	0A	2.63A	$\pm 5\%$	$\pm 1\%$	360mV
EA1073XG	50W	32~42V	0A	1.56A	$\pm 5\%$	$\pm 1\%$	630mV
EA1073XH	50W	44~56V	0A	1.13A	$\pm 5\%$	$\pm 1\%$	840mV
EA1073XJ	60W	12~18V	0A	5A	$\pm 5\%$	$\pm 1\%$	240mV
EA1073XK	60W	19~24V	0A	3.15A	$\pm 5\%$	$\pm 1\%$	360mV
EA1073XL	60W	32~42V	0A	1.87A	$\pm 5\%$	$\pm 1\%$	630mV
EA1073XM	60W	44~56V	0A	1.36A	$\pm 5\%$	$\pm 1\%$	840mV
EA1073XN	65W	12~18V	0A	5.41A	$\pm 5\%$	$\pm 1\%$	240mV
EA1073XP	65W	19~24V	0A	3.42A	$\pm 5\%$	$\pm 1\%$	360mV
EA1073XQ	65W	32~42V	0A	2.03A	$\pm 5\%$	$\pm 1\%$	630mV
EA1073XR	65W	44~56V	0A	1.47A	$\pm 5\%$	$\pm 1\%$	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current $\leq 2A$
- Inrush Current $\leq 120A/230VAC$
- Hold Up Time $\geq 8.3ms$
- Turn On Time $\leq 3s$

PROTECTION

- Short Circuit Protection Auto Recovery
- Over Voltage Protection Auto Recovery
- Over Current Protection Auto Recovery
- Over Temperature Protection Latch-off (optional)

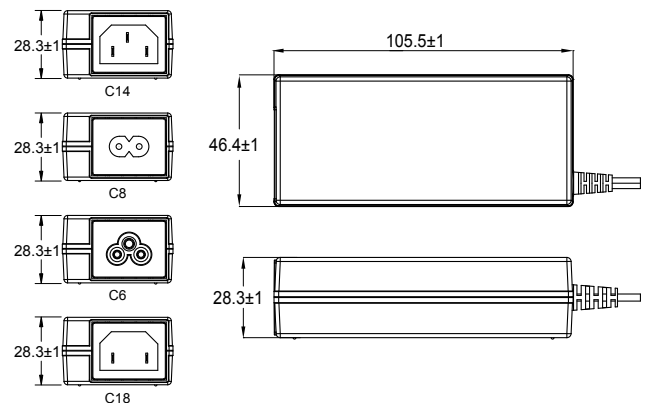
ENVIRONMENT

- Operating Temperature -20 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, BIS, RCM, KC, PSB, NRCAN

MECHANICAL



- Case Size: 105.5L x 46.4W x 28.3H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 300g

AC/DC Desktop Adaptor



Features

- Slim Size
- LED Indicator
- LPS Compliance
- Active PFC Function
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature (optional)
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.21\text{W}$ (VI), $\leq 0.15\text{W}$ (Tier II)
- MTBF > 100,000 hours

EA1093 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18

Y: Output range

vv: Specified output voltage, i.e. 12 is 12VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1093XA	80W	12~18V	0A	6.66A	$\pm 5\%$	$\pm 1\%$	270mV
EA1093XB	80W	19~24V	0A	4.21A	$\pm 5\%$	$\pm 1\%$	360mV
EA1093XC	80W	32~42V	0A	2.5A	$\pm 5\%$	$\pm 1\%$	630mV
EA1093XD	80W	44~56V	0A	1.81A	$\pm 5\%$	$\pm 1\%$	840mV
EA1093XE	90W	12~18V	0A	7.5A	$\pm 5\%$	$\pm 1\%$	270mV
EA1093XF	90W	19~24V	0A	4.73A	$\pm 5\%$	$\pm 1\%$	360mV
EA1093XG	90W	32~42V	0A	2.81A	$\pm 5\%$	$\pm 1\%$	630mV
EA1093XH	90W	44~56V	0A	2.04A	$\pm 5\%$	$\pm 1\%$	840mV
EA1093XJ	100W	32~42V	0A	3.12A	$\pm 5\%$	$\pm 1\%$	630mV
EA1093XK	100W	44~56V	0A	2.27A	$\pm 5\%$	$\pm 1\%$	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 2.5\text{A}$
- Inrush Current: $\leq 120\text{A}/230\text{VAC}$
- Hold Up Time: $\geq 8.3\text{ms}$
- Turn On Time: $\leq 3\text{s}$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

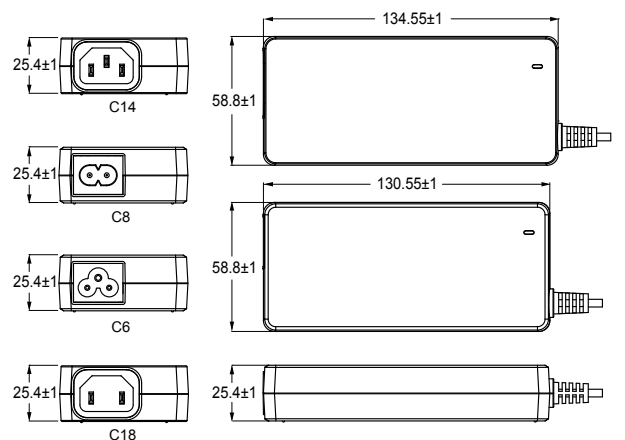
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, BIS, RCM, KC, CU, NRCAN, Argentina

MECHANICAL



- Case Size: 130.55L x 58.8W x 25.4H (mm) for AC inlet C8, C6
- Case Size: 134.55L x 58.8W x 25.4H (mm) for AC inlet C14, C18
- Weight: 350g

AC/DC Desktop Adaptor



Features

- LED Indicator
- LPS Compliance
- Active PFC Function
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption ≤ 0.21 W (VI), ≤ 0.15 W (Tier II)
- MTBF > 100,000 hours

EA1095 X Y - vv PP

- X:** AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1095XC	84W	12~18V	0A	7A	$\pm 5\%$	$\pm 1\%$	270mV
EA1095XD	80W	18~24V	0A	4.44A	$\pm 5\%$	$\pm 1\%$	360mV
EA1095XE	90W	18~24V	0A	5A	$\pm 5\%$	$\pm 1\%$	360mV
EA1095XF	90W	12~18V	0A	7.5A	$\pm 5\%$	$\pm 1\%$	270mV
EA1095XG	80W	32~42V	0A	2.5A	$\pm 5\%$	$\pm 1\%$	630mV
EA1095XH	80W	44~56V	0A	1.81A	$\pm 5\%$	$\pm 1\%$	840mV
EA1095XJ	90W	32~42V	0A	2.81A	$\pm 5\%$	$\pm 1\%$	630mV
EA1095XK	90W	44~56V	0A	2.04A	$\pm 5\%$	$\pm 1\%$	840mV
EA1095XL	100W	32~42V	0A	3.12A	$\pm 5\%$	$\pm 1\%$	630mV
EA1095XM	100W	44~56V	0A	2.27A	$\pm 5\%$	$\pm 1\%$	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: ≤ 2.5 A
- Inrush Current: ≤ 120 A/230VAC
- Hold Up Time: ≥ 8.3 ms
- Turn On Time: ≤ 3 s

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Latch-off

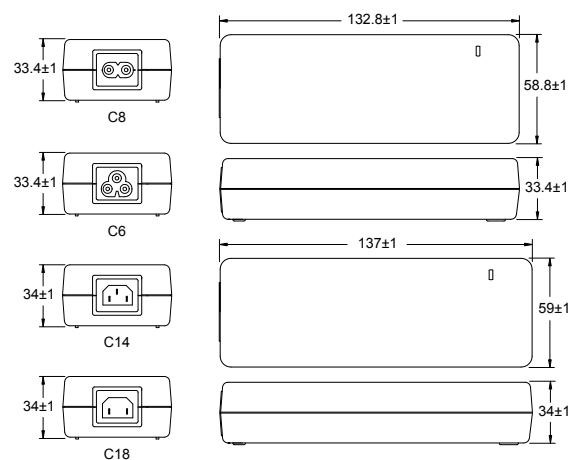
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, BIS, RCM, KC, CU, PSB, NRCAN, Argentina

MECHANICAL



- Case Size: 132.8L x 58.8W x 33.4H (mm) for AC inlet C8, C6
 137L x 59W x 34H (mm) for AC inlet C14, C18
- Weight: 420g

AC/DC Desktop Adaptor



Features

- LED Indicator
- Active PFC Function
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.21\text{W}$ (VI), $\leq 0.15\text{W}$ (Tier II)
- MTBF > 100,000 hours

EA1101 X Y - vv PP

- X:** AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1101XA	80W	12~16V	0A	6.66A	$\pm 5\%$	$\pm 1\%$	240mV
EA1101XB	90W	12~16V	0A	7.5A	$\pm 5\%$	$\pm 1\%$	240mV
EA1101XC	90W	19~24V	0A	4.73A	$\pm 5\%$	$\pm 1\%$	360mV
EA1101XD	100W	12~16V	0A	8.33A	$\pm 5\%$	$\pm 1\%$	240mV
EA1101XE	100W	19~24V	0A	5.26A	$\pm 5\%$	$\pm 1\%$	360mV
EA1101XF	110W	12~16V	0A	9.16A	$\pm 5\%$	$\pm 1\%$	240mV
EA1101XG	110W	19~24V	0A	5.78A	$\pm 5\%$	$\pm 1\%$	360mV
EA1101XH	120W	12~16V	0A	10A	$\pm 5\%$	$\pm 1\%$	240mV
EA1101XM	120W	19~24V	0A	6.31A	$\pm 5\%$	$\pm 1\%$	360mV
EA1101XN	100W	48~56V	0A	2.08A	$\pm 5\%$	$\pm 1\%$	840mV
EA1101XP	130W	48~56V	0A	2.7A	$\pm 5\%$	$\pm 1\%$	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 2\text{A}$
- Inrush Current: $\leq 120\text{A}/230\text{VAC}$
- Hold Up Time: $\geq 8.3\text{ms}$
- Turn On Time: $\leq 3\text{s}$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Latch-off
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Latch-off

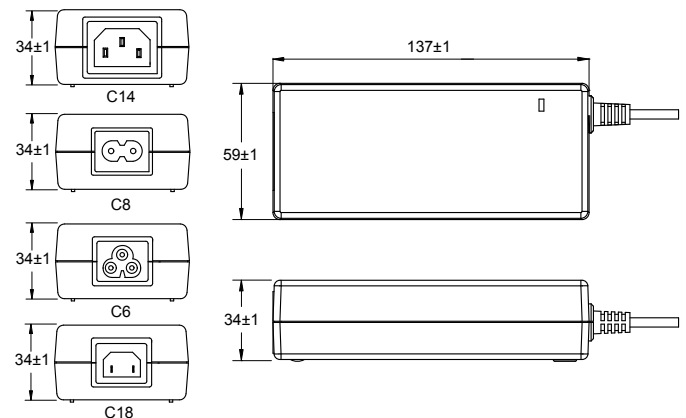
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, BIS, RCM, KC, CU, PSB, NRCAN, Argentina

MECHANICAL



- Case Size: 137L x 59W x 34H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 450g

AC/DC Desktop Adaptor



Features

- Slim Size
- LED Indicator
- Active PFC Function
- Protections :
Short circuit / Over voltage / Over current
Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.21\text{W}$ (VI), $\leq 0.15\text{W}$ (Tier II)
- MTBF > 100,000 hours

EA1121 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18

Y: Output range

vv: Specified output voltage, i.e. 12 is 12VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1121XA	100W	12~18V	0A	8.33A	$\pm 5\%$	$\pm 1\%$	240mV
EA1121XB	100W	19~24V	0A	5.26A	$\pm 5\%$	$\pm 1\%$	380mV
EA1121XC	100W	32~42V	0A	3.12A	$\pm 5\%$	$\pm 1\%$	640mV
EA1121XD	100W	44~56V	0A	2.27A	$\pm 5\%$	$\pm 1\%$	880mV
EA1121XE	110W	12~18V	0A	9.16A	$\pm 5\%$	$\pm 1\%$	240mV
EA1121XF	110W	19~24V	0A	5.78A	$\pm 5\%$	$\pm 1\%$	380mV
EA1121XG	110W	32~42V	0A	3.43A	$\pm 5\%$	$\pm 1\%$	640mV
EA1121XH	110W	44~56V	0A	2.5A	$\pm 5\%$	$\pm 1\%$	880mV
EA1121XJ	120W	12~18V	0A	10A	$\pm 5\%$	$\pm 1\%$	240mV
EA1121XK	120W	19~24V	0A	6.31A	$\pm 5\%$	$\pm 1\%$	380mV
EA1121XW	120W	32~42V	0A	3.75A	$\pm 5\%$	$\pm 1\%$	640mV
EA1121XM	120W	44~56V	0A	2.72A	$\pm 5\%$	$\pm 1\%$	880mV
EA1121XN	135W	19~24V	0A	7.1A	$\pm 5\%$	$\pm 1\%$	380mV
EA1121XP	135W	32~42V	0A	4.21A	$\pm 5\%$	$\pm 1\%$	640mV
EA1121XQ	135W	44~56V	0A	3.06A	$\pm 5\%$	$\pm 1\%$	880mV
EA1121XR	130W	19~24V	0A	6.84A	$\pm 5\%$	$\pm 1\%$	380mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current $\leq 2\text{A}$
- Inrush Current $\leq 120\text{A}/230\text{VAC}$
- Hold Up Time $\geq 8.3\text{ms}$
- Turn On Time $\leq 3\text{s}$

PROTECTION

- Short Circuit Protection Auto Recovery
- Over Voltage Protection Latch-off or Auto Recovery
- Over Current Protection Auto Recovery
- Over Temperature Protection Auto Recovery

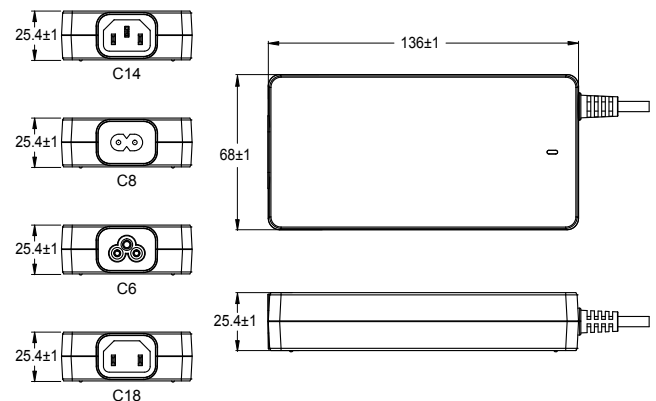
ENVIRONMENT

- Operating Temperature -20 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, RCM, KC

MECHANICAL



- Case Size: 136L x 68W x 25.4H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 350g

AC/DC Desktop Adaptor



Features

- Slim Size
- Active PFC Function
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.21W$ (VI) , $\leq 0.15W$ (Tier II)
- MTBF > 100,000 hours

EA1153 X Y - vv PP

X: AC inlet: 2. C8 3. C6

Y: Output range

vv: Specified output voltage, i.e. 12 is 12VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1153XA	135W	12~15V	0A	11.25A	$\pm 5\%$	$\pm 1\%$	150mV
EA1153XB	135W	19~24V	0A	7.1A	$\pm 5\%$	$\pm 1\%$	240mV
EA1153XC	135W	28~36V	0A	4.82A	$\pm 5\%$	$\pm 1\%$	360mV
EA1153XD	135W	48~56V	0A	2.81A	$\pm 5\%$	$\pm 1\%$	560mV
EA1153XE	150W	19~24V	0A	7.89A	$\pm 5\%$	$\pm 1\%$	240mV
EA1153XF	150W	28~36V	0A	5.35A	$\pm 5\%$	$\pm 1\%$	360mV
EA1153XG	150W	48~56V	0A	3.12A	$\pm 5\%$	$\pm 1\%$	560mV

NOTE:

1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.

2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.

3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60 Hz
- Input Current: $\leq 2.5A$
- Inrush Current: $\leq 100A/230VAC$
- Hold Up time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

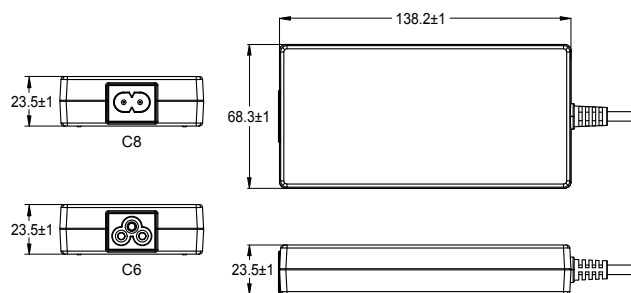
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90 %
- Storage Humidity: 5% to 95 %

MECHANICAL



- Case Size: 138.2L x 68.3W x 23.5H (mm)
- AC Inlet: C8, C6
- Weight: 460g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

AC/DC Desktop Adaptor



Features

- Slim Size
- LED Indicator
- Active PFC Function
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.21\text{W}$ (VI), $\leq 0.15\text{W}$ (Tier II)
- MTBF > 100,000 hours

EA1183 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18

Y: Output range

vv: Specified output voltage, i.e. 12 is 12VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1183XA	130W	12~18V	0A	10.83A	$\pm 5\%$	$\pm 1\%$	270mV
EA1183XB	130W	19~24V	0A	6.84A	$\pm 5\%$	$\pm 1\%$	360mV
EA1183XC	130W	32~42V	0A	4.06A	$\pm 5\%$	$\pm 1\%$	630mV
EA1183XD	130W	44~56V	0A	2.95A	$\pm 5\%$	$\pm 1\%$	840mV
EA1183XE	135W	12~18V	0A	11.25A	$\pm 5\%$	$\pm 1\%$	270mV
EA1183XF	135W	19~24V	0A	7.1A	$\pm 5\%$	$\pm 1\%$	360mV
EA1183XG	135W	32~42V	0A	4.21A	$\pm 5\%$	$\pm 1\%$	630mV
EA1183XH	135W	44~56V	0A	3.06A	$\pm 5\%$	$\pm 1\%$	840mV
EA1183XJ	150W	12~18V	0A	12.5A	$\pm 5\%$	$\pm 1\%$	270mV
EA1183XK	150W	19~24V	0A	7.89A	$\pm 5\%$	$\pm 1\%$	360mV
EA1183XL	150W	32~42V	0A	4.68A	$\pm 5\%$	$\pm 1\%$	630mV
EA1183XM	150W	44~56V	0A	3.4A	$\pm 5\%$	$\pm 1\%$	840mV
EA1183XN	170W	12~18V	0A	14.16A	$\pm 5\%$	$\pm 1\%$	270mV
EA1183XP	180W	19~24V	0A	9.47A	$\pm 5\%$	$\pm 1\%$	360mV
EA1183XQ	180W	32~42V	0A	5.62A	$\pm 5\%$	$\pm 1\%$	630mV
EA1183XR	180W	44~56V	0A	4.09A	$\pm 5\%$	$\pm 1\%$	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current $\leq 2.5\text{A}$
- Inrush Current $\leq 120\text{A}/230\text{VAC}$
- Hold Up Time $\geq 8.3\text{ms}$
- Turn On Time $\leq 3\text{s}$

PROTECTION

- Short Circuit Protection Auto Recovery
- Over Voltage Protection Auto Recovery
- Over Current Protection Auto Recovery
- Over Temperature Protection Latch-off

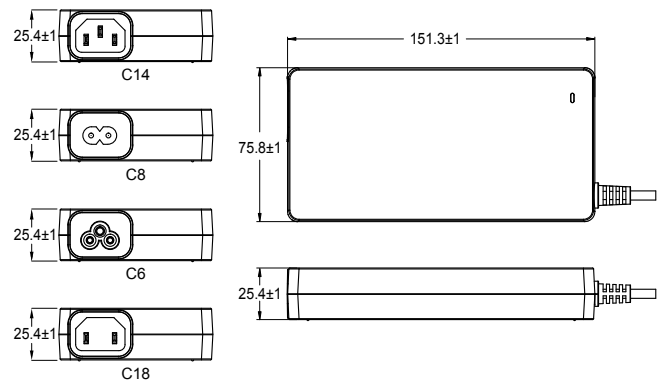
ENVIRONMENT

- Operating Temperature -20 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 90%

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, BIS, RCM, KC, CU, PSB, NRCAN

MECHANICAL



- Case Size: 151.3L x 75.8W x 25.4H (mm)
- AC Inlet : C14, C8, C6, C18
- Weight: 350g

AC/DC Desktop Adaptor



Features

- Slim Size
- LED Indicator
- Active PFC Function
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.21W$ (VI), $\leq 0.15W$ (Tier II)
- MTBF > 100,000 hours

EA1232 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18

Y: Output range

vv: Specified output voltage, i.e. 12 is 12VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1232XA	180W	12~18V	0A	15A	$\pm 5\%$	$\pm 1\%$	240mV
EA1232XB	180W	19~24V	0A	9.47A	$\pm 5\%$	$\pm 1\%$	360mV
EA1232XC	180W	32~42V	0A	5.62A	$\pm 5\%$	$\pm 1\%$	630mV
EA1232XD	180W	44~56V	0A	4.09A	$\pm 5\%$	$\pm 1\%$	840mV
EA1232XF	200W	19~24V	0A	10.52A	$\pm 5\%$	$\pm 1\%$	360mV
EA1232XG	200W	32~42V	0A	6.25A	$\pm 5\%$	$\pm 1\%$	630mV
EA1232XH	200W	44~56V	0A	4.54A	$\pm 5\%$	$\pm 1\%$	840mV
EA1232XK	220W	19~24V	0A	11.57A	$\pm 5\%$	$\pm 1\%$	360mV
EA1232XL	220W	32~42V	0A	6.87A	$\pm 5\%$	$\pm 1\%$	630mV
EA1232XM	220W	44~56V	0A	5A	$\pm 5\%$	$\pm 1\%$	840mV
EA1232XN	230W	19~24V	0A	12.1A	$\pm 5\%$	$\pm 1\%$	360mV
EA1232XP	230W	32~42V	0A	7.18A	$\pm 5\%$	$\pm 1\%$	630mV
EA1232XQ	230W	44~56V	0A	5.22A	$\pm 5\%$	$\pm 1\%$	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 3.5A$
- Inrush Current: $\leq 100A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

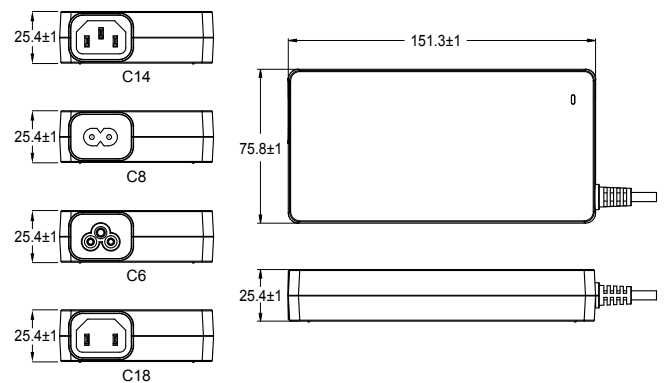
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90 %
- Storage Humidity: 5% to 90 %

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, RCM, KC, BIS, CU, PSB, NRCAN

MECHANICAL



- Case Size: 151.3L x 75.8W x 25.4H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 500g

AC/DC Desktop Adaptor



Features

- Active PFC Function
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.21\text{W}$ (VI), $\leq 0.15\text{W}$ (Tier II)
- MTBF > 50,000 hours

EA1252 X Y - vv PP

- X:** AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
 or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1252XA	190W	12~18V	0A	15.83A	$\pm 5\%$	$\pm 1\%$	240mV
EA1252XB	230W	19~24V	0A	12.1A	$\pm 5\%$	$\pm 1\%$	240mV
EA1252XC	230W	32~42V	0A	7.18A	$\pm 5\%$	$\pm 1\%$	240mV
EA1252XD	230W	44~56V	0A	5.22A	$\pm 5\%$	$\pm 1\%$	360mV
EA1252XE	200W	12~18V	0A	16.66A	$\pm 5\%$	$\pm 1\%$	360mV
EA1252XF	240W	19~24V	0A	12.63A	$\pm 5\%$	$\pm 1\%$	630mV
EA1252XG	240W	32~42V	0A	7.5A	$\pm 5\%$	$\pm 1\%$	840mV
EA1252XH	240W	44~56V	0A	5.45A	$\pm 5\%$	$\pm 1\%$	360mV
EA1252XJ	210W	12~18V	0A	17.5A	$\pm 5\%$	$\pm 1\%$	360mV
EA1252XK	250W	19~24V	0A	13.15A	$\pm 5\%$	$\pm 1\%$	360mV
EA1252XL	250W	32~42V	0A	7.81A	$\pm 5\%$	$\pm 1\%$	630mV
EA1252XM	250W	44~56V	0A	5.68A	$\pm 5\%$	$\pm 1\%$	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: 3.5A to 2.5A
- Inrush Current: $\leq 140\text{A}/230\text{VAC}$
- Hold Up Time: $\geq 8.3\text{ms}$
- Turn On Time: $\leq 3\text{s}$

PROTECTION

- Short Circuit Protection: Latch-off
- Over Voltage Protection: Latch-off
- Over Current Protection: Latch-off
- Over Temperature Protection: Latch-off

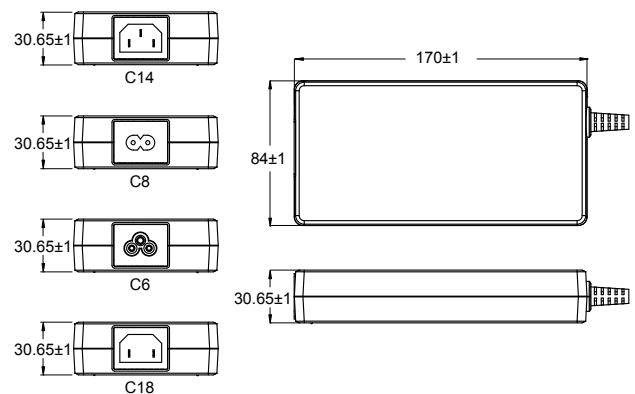
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA, BSMI
- Certified for assigned models: CCC, PSE, BIS, RCM, KC, NRCAN

MECHANICAL



- Case Size: 170L x 84W x 30.65H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 950g

GaN AC/DC Desktop Adaptor



Features

- Gallium Nitride Based Design
- Active PFC Function
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- Energy Efficiency up to 93%
- No Load Power Consumption $\leq 0.21\text{W}$ (VI) , $\leq 0.15\text{W}$ (Tier II)
- MTBF > 50,000 hours

EA1280 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18

Y: Output range

vv: Specified output voltage, i.e. 12 is 12VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1280XA	240W	12~16V	0A	20A	$\pm 5\%$	$\pm 1\%$	240mV
EA1280XB	240W	19~24V	0A	12.63A	$\pm 5\%$	$\pm 1\%$	360mV
EA1280XC	240W	28~36V	0A	8.57A	$\pm 5\%$	$\pm 1\%$	540mV
EA1280XD	240W	48~56V	0A	5A	$\pm 5\%$	$\pm 1\%$	840mV
EA1280XE	250W	19~24V	0A	13.15A	$\pm 5\%$	$\pm 1\%$	360mV
EA1280XF	250W	28~36V	0A	8.92A	$\pm 5\%$	$\pm 1\%$	540mV
EA1280XG	250W	48~56V	0A	5.2A	$\pm 5\%$	$\pm 1\%$	840mV
EA1280XH	280W	19~24V	0A	14.73A	$\pm 5\%$	$\pm 1\%$	360mV
EA1280XJ	280W	28~36V	0A	10A	$\pm 5\%$	$\pm 1\%$	540mV
EA1280XK	280W	48~56V	0A	5.83A	$\pm 5\%$	$\pm 1\%$	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current $\leq 3.5\text{A}$ to 2A
- Inrush Current $\leq 140\text{A}/230\text{VAC}$
- Hold Up Time $\geq 8.3\text{ms}$
- Turn On Time $\leq 3\text{s}$

PROTECTION

- Short Circuit Protection Auto Recovery
- Over Voltage Protection Auto Recovery
- Over Current Protection Auto Recovery
- Over Temperature Protection Auto Recovery or Latch-off (optional)

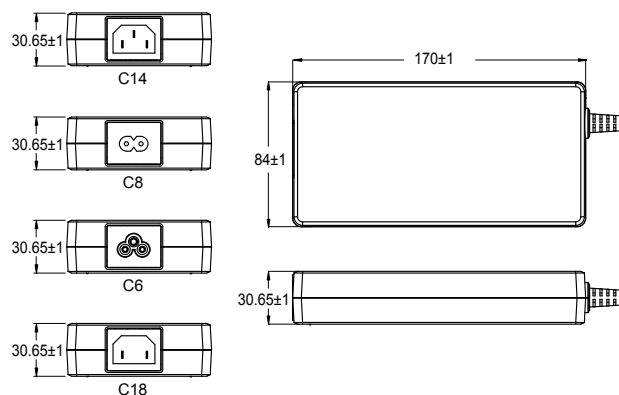
ENVIRONMENT

- Operating Temperature -20 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90 %
- Storage Humidity 5% to 90 %

SAFETY

- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

MECHANICAL



- Case Size: 170L x 84W x 30.65H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 950g

GaN AC/DC Desktop Adaptor



Features

- Slim Size
- Gallium Nitride Based Design
- Active PFC Function
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- Energy Efficiency up to 92%
- No Load Power Consumption $\leq 0.5W$
- MTBF > 100,000 hours

EA1360 X Y - vv PP

- X:** AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1360XA	300W	12~15V	0A	25A	$\pm 5\%$	$\pm 1\%$	240mV
EA1360XB	330W	19~24V	0A	17.36A	$\pm 5\%$	$\pm 1\%$	360mV
EA1360XC	330W	28~36V	0A	11.78A	$\pm 5\%$	$\pm 1\%$	540mV
EA1360XD	330W	48~56V	0A	6.87A	$\pm 5\%$	$\pm 1\%$	840mV
EA1360XE	360W	19~24V	0A	18.94A	$\pm 5\%$	$\pm 1\%$	360mV
EA1360XF	360W	28~36V	0A	12.85A	$\pm 5\%$	$\pm 1\%$	540mV
EA1360XG	360W	48~56V	0A	7.5A	$\pm 5\%$	$\pm 1\%$	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 5A$
- Inrush Current: $\leq 180A/230VAC$
- Hold up time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

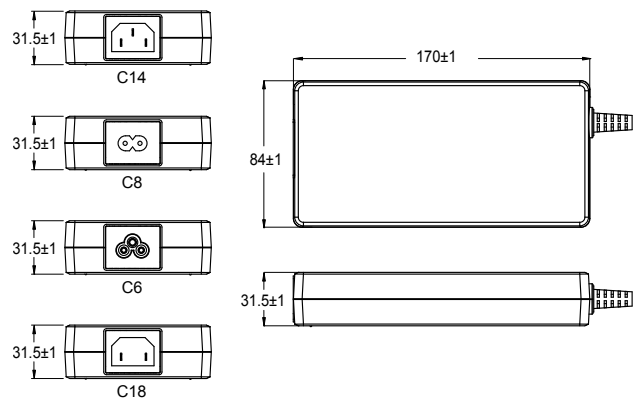
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

MECHANICAL



- Case Size: 170L x 84W x 31.5H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 950g

SAFETY

- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, NRCAN

GaN AC/DC Desktop Adaptor



Features

- Gallium Nitride Based Design
- LED Indicator
- Active PFC Function
- Protections :
Short circuit / Over voltage / Over current
Over temperature
- Energy Efficiency up to 92%
- No Load Power Consumption < 1W
- MTBF > 100,000 hours

EA1600 X Y - vv PP

- X:** AC inlet: C14
Y: Output range
vv: Specified output voltage, i.e. 48 is 48VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1600XA	550W	36~42V	0A	15.27A	± 5%	± 1%	630mV
EA1600XB	600W	48~56V	0A	12.5A	± 5%	± 1%	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: 7.5A to 4A
- Inrush Current: ≤ 80A/230VAC
- Hold Up Time: ≥ 8.3ms
- Turn On Time: ≤ 3s

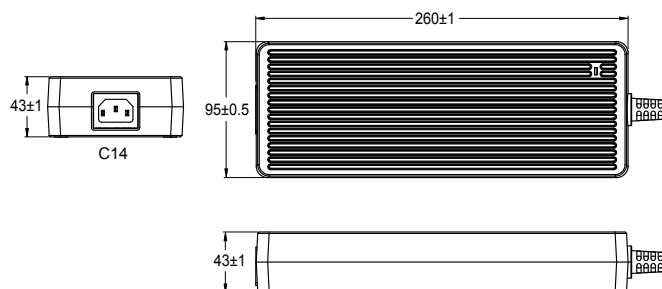
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90 %
- Storage Humidity: 5% to 95 %

MECHANICAL



- Case Size: 260L x 95W x 43H (mm)
- AC Inlet: C14
- Weight: 1600g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Complied with TUV EN 62368-1



► Medical Power Supply

- 2 x MOPP & IEC/EN 60601-1 Compliance
- EMC 60601-1-2 Compliance
- Universal Input 100-240VAC
- Wall mounted/Desktop types
- Multiple Protections
- Energy Efficiency Level VI

Medical AC/DC Wall Mount Adaptor

Vertical (USB & SR Type)



Horizontal (USB & SR Type)



Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Protections:
Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.1W$
- MTBF > 100,000 hours

EM1005 X Y Z T - vv PP

- X:** Output range
Y: Case type: (V)Vertical or (H)Horizontal
Z: AC plug type: • U: USA • E: EU • K: UK
T: Output type: U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1005AYZT	6W	5~8V	0A	1.2A	$\pm 5\%$	$\pm 1\%$	100mV
EM1005BYZT	6W	9~12V	0A	0.66A	$\pm 5\%$	$\pm 1\%$	180mV
EM1005CYZT	4.5W	9V	0A	0.5A	$\pm 5\%$	$\pm 1\%$	180mV
EM1005DYZT	6W	9V	0A	0.67A	$\pm 5\%$	$\pm 1\%$	180mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 0.6A$
- Inrush Current: $\leq 60A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 5s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery

ENVIRONMENT

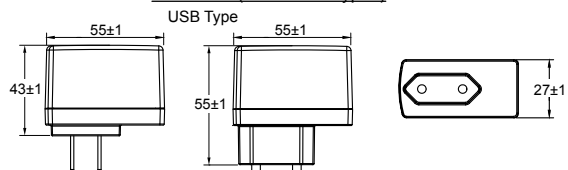
- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

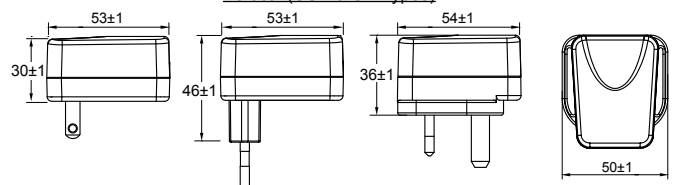
- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, PSE

MECHANICAL

Horizontal (USB & SR Types)



Vertical (USB & SR Types)



- Case Size: Horizontal: USB: 55L x 27W x 55H (mm)
SR: 55L x 25W x 55H (mm)
Vertical: USA: 53L x 41W x 30H (mm)
EU: 53L x 41W x 46H (mm)
UK: 54L x 50W x 36H (mm)
- AC Plug: U: USA, E: EU, K: UK
- Weight: 70g

Medical AC/DC Interchangeable Adaptor

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Protections:
Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.1W$
- MTBF > 100,000 hours

EM1005 X Y R T - vv PP

- X:** Output range
Y: Case type: (V)Vertical
R: Interchangeable AC plug:
 • U: USA • E: EU • K: UK • A: SAA • C: China
 • B: Korea • I: India
T: Output type: U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1005AVRT	6W	5~8V	0A	1.2A	$\pm 5\%$	$\pm 1\%$	100mV
EM1005BVRT	6W	9~12V	0A	0.66A	$\pm 5\%$	$\pm 1\%$	180mV
EM1005CVRT	4.5W	9V	0A	0.5A	$\pm 5\%$	$\pm 1\%$	180mV
EM1005DVRT	6W	9V	0A	0.67A	$\pm 5\%$	$\pm 1\%$	180mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 0.6A$
- Inrush Current: $\leq 60A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 5s$

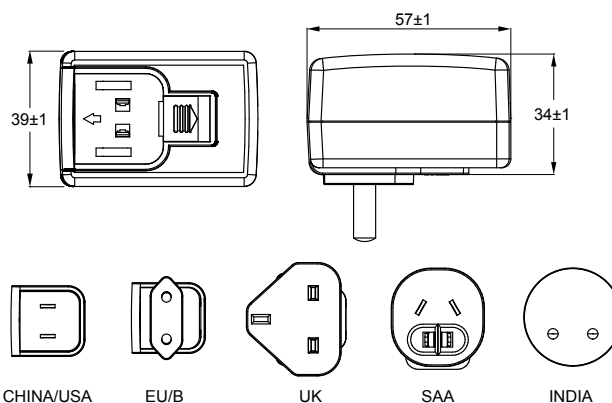
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery

ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

MECHANICAL



- Case Size: 57L x 39W x 34H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
B: Korea, I: India
- Weight: 70g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, PSE

Medical AC/DC Wall Mount Adaptor

Vertical (USB & SR Type)



Horizontal (USB & SR Type)



Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Protections:
Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.1W$
- MTBF > 100,000 hours

EM1012 X Y Z T - vv PP

- X:** Output range
Y: Case type: (V)Vertical or (H)Horizontal
Z: AC plug type: • U: USA • E: EU • K: UK
T: Output type: U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1012AYZT	12W	5~8V	0A	2.4A	$\pm 5\%$	$\pm 1\%$	100mV
EM1012BYZT	12W	9~11V	0A	1.33A	$\pm 5\%$	$\pm 1\%$	180mV
EM1012CYZT	12W	12~17V	0A	1A	$\pm 5\%$	$\pm 1\%$	250mV
EM1012DYZT	12W	18~24V	0A	0.66A	$\pm 5\%$	$\pm 1\%$	350mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 1A$
- Inrush Current: $\leq 60A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 5s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery

ENVIRONMENT

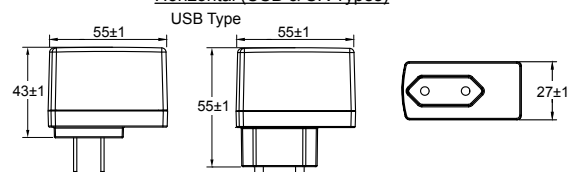
- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

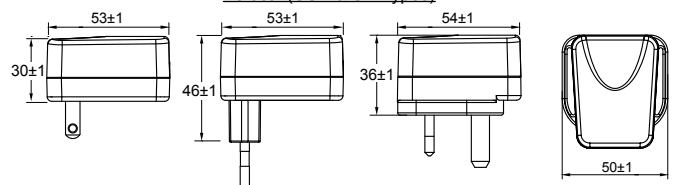
- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA, BSMI
- Certified for assigned models: CCC, PSE, RCM

MECHANICAL

Horizontal (USB & SR Types)



Vertical (USB & SR Types)



- Case Size: Horizontal: USB: 55L x 27W x 55H (mm)
SR: 55L x 25W x 55H (mm)
Vertical: USA: 53L x 41W x 30H (mm)
EU: 53L x 41W x 46H (mm)
UK: 54L x 50W x 36H (mm)
- AC Plug: U: USA, E: EU, K: UK
- Weight: 70g

Medical AC/DC Interchangeable Adaptor

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Protections:
Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.1W$
- MTBF > 100,000 hours

EM1012 X Y R T - vv PP

- X:** Output range
Y: Case type: (V)Vertical
R: Interchangeable AC plug:
 • U: USA • E: EU • K: UK • A: SAA • C: China
 • B: Korea • I: India
T: Output type: U (USB) or S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
 or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1012AVRT	12W	5~8V	0A	2.4A	$\pm 5\%$	$\pm 1\%$	100mV
EM1012BVRT	12W	9~11V	0A	1.33A	$\pm 5\%$	$\pm 1\%$	180mV
EM1012CVRT	12W	12~17V	0A	1A	$\pm 5\%$	$\pm 1\%$	250mV
EM1012DVRT	12W	18~24V	0A	0.66A	$\pm 5\%$	$\pm 1\%$	350mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 1A$
- Inrush Current: $\leq 60A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 5s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery

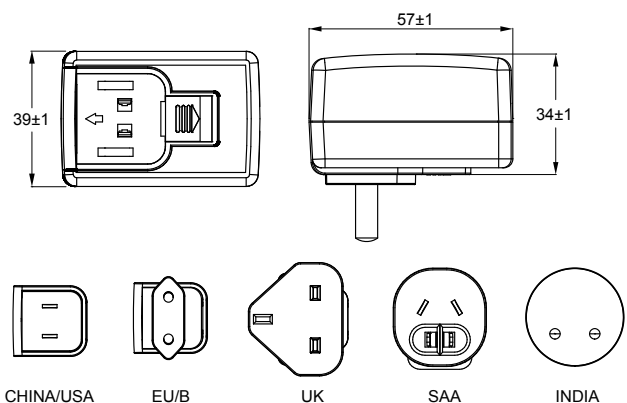
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA, BSMI
- Certified for assigned models: CCC, PSE, RCM, BIS

MECHANICAL



- Case Size: 57L x 39W x 34H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
B: Korea, I: India
- Weight: 70g

Medical AC/DC Wall Mount Adaptor



Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LPS Compliance
- Protections:
 - Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.1W$ (VI)
- MTBF > 100,000 hours

EM1019 X Y Z T - vv PP

- X:** Output range
Y: Case type: (V)Vertical or (H)Horizontal
Z: AC plug: • U: USA • E: EU • K: UK • A: SAA • C: China
T: Output type: S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1019AYZS	15W	5~8V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
EM1019BYZS	20W	9~13V	0A	2A	$\pm 5\%$	$\pm 1\%$	180mV
EM1019CZS	20W	14~19V	0A	1.42A	$\pm 5\%$	$\pm 1\%$	200mV
EM1019DYZS	20W	20~27V	0A	1A	$\pm 5\%$	$\pm 1\%$	250mV
EM1019EYZS	20W	28~35V	0A	0.71A	$\pm 5\%$	$\pm 1\%$	280mV
EM1019FYZS	20W	36~48V	0A	0.55A	$\pm 5\%$	$\pm 1\%$	360mV
EM1019GYZS	18W	5~8V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
EM1019HYZS	24W	9~13V	0A	2A	$\pm 5\%$	$\pm 1\%$	180mV
EM1019JYZS	24W	14~19V	0A	1.71A	$\pm 5\%$	$\pm 1\%$	200mV
EM1019KYZS	24W	20~27V	0A	1.2A	$\pm 5\%$	$\pm 1\%$	250mV
EM1019MYZS	24W	28~35V	0A	0.85A	$\pm 5\%$	$\pm 1\%$	280mV
EM1019NYZS	24W	36~48V	0A	0.66A	$\pm 5\%$	$\pm 1\%$	360mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 0.8A$
- Inrush Current: $\leq 80A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

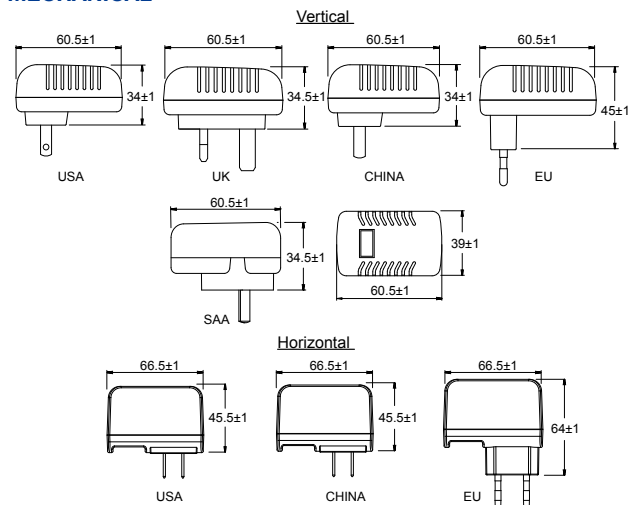
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery

ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

MECHANICAL



- Case Size: Vertical: 60.5L x 39W x 45H (mm)
 Horizontal: 66.5L x 64W x 26H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
- Weight: 120g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, NRCAN

Medical AC/DC Interchangeable Adaptor



Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LPS Compliance
- Protections:
 - Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.1W$
- MTBF > 100,000 hours

EM1019 X Y R T - vv PP

- X:** Output range
Y: Case type: (V)Vertical
R: Interchangeable AC plug:
 - U: USA • E: EU • K: UK • A: SAA • C: China
 - B: Korea • I: India
- T:** Output type: S (SR)
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1019AVRS	15W	5~8V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
EM1019BVRS	20W	9~13V	0A	2A	$\pm 5\%$	$\pm 1\%$	180mV
EM1019CVRS	20W	14~19V	0A	1.42A	$\pm 5\%$	$\pm 1\%$	200mV
EM1019DVRS	20W	20~27V	0A	1A	$\pm 5\%$	$\pm 1\%$	250mV
EM1019EVRS	20W	28~35V	0A	0.71A	$\pm 5\%$	$\pm 1\%$	280mV
EM1019FVRS	20W	36~48V	0A	0.55A	$\pm 5\%$	$\pm 1\%$	360mV
EM1019GVRS	18W	5~8V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
EM1019HVRS	24W	9~13V	0A	2A	$\pm 5\%$	$\pm 1\%$	180mV
EM1019JVRS	24W	14~19V	0A	1.71A	$\pm 5\%$	$\pm 1\%$	200mV
EM1019KVRS	24W	20~27V	0A	1.2A	$\pm 5\%$	$\pm 1\%$	250mV
EM1019MVRS	24W	28~35V	0A	0.85A	$\pm 5\%$	$\pm 1\%$	280mV
EM1019NVRS	24W	36~48V	0A	0.66A	$\pm 5\%$	$\pm 1\%$	360mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 0.8A$
- Inrush Current: $\leq 80A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

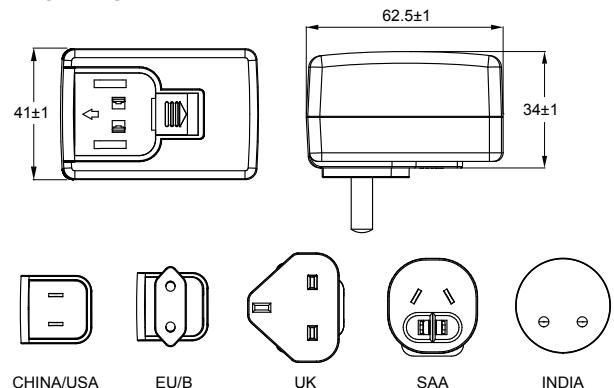
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery

ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

MECHANICAL



- Case Size: 62.5L x 41W x 34H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
B: Korea, I: India
- Weight: 150g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, RCM, KC, BIS, NRCAN, Argentina

Medical AC/DC Desktop Adaptor



Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LED Indicator (optional)
- LPS Compliance
- Protections:
 - Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.1W$
- MTBF > 100,000 hours

EM1024 X Y - vv PP

- X:** Output range
Y: AC inlet: 1. C14 2. C8 3. C6 6. C18
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1024AY	16W	5~8V	0A	2A	$\pm 5\%$	$\pm 1\%$	100mV
EM1024BY	20W	5~8V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
EM1024CY	24W	5~8V	0A	4A	$\pm 5\%$	$\pm 1\%$	100mV
EM1024DY	18W	9~11V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024EY	24W	9~11V	0A	2A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024FY	27W	9~11V	0A	3A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024GY	20W	12~17V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024HY	30W	12~17V	0A	2.5A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024JY	24W	18~24V	0A	1.33A	$\pm 5\%$	$\pm 1\%$	350mV
EM1024KY	30W	18~24V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	350mV
EM1024MY	20W	36~48V	0A	0.55A	$\pm 5\%$	$\pm 1\%$	480mV
EM1024NY	30W	36~48V	0A	0.83A	$\pm 5\%$	$\pm 1\%$	480mV
EM1024PY	36W	12V	0A	3A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024QY	24W	12V	0A	2A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024RY	36W	24V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	350mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 1A$
- Inrush Current: $\leq 60A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Latch-off
- Over Current Protection: Auto Recovery

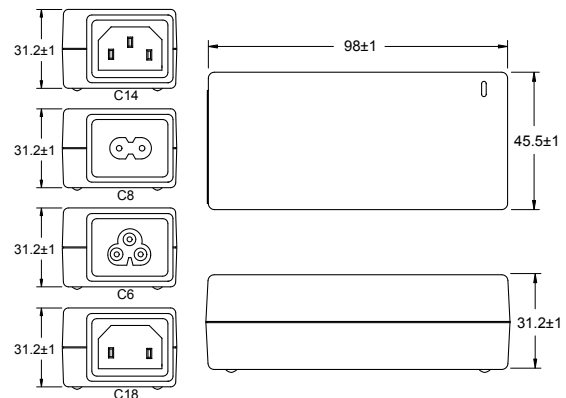
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, PSE, RCM, KC, BIS, CU, PSB, NRCAN, Argentina

MECHANICAL



- Case Size: 98L x 45.5W x 31.2H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 200g

Medical AC/DC Wall Mount Adaptor



Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LPS Compliance
- Protections:
 - Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.1W$
- MTBF > 100,000 hours

EM1024 X Y - vv PP

- X:** Output range
Y: AC plug: • U: USA • E: EU • K: UK • A: SAA • C: China
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1024AY	16W	5~8V	0A	2A	$\pm 5\%$	$\pm 1\%$	100mV
EM1024BY	20W	5~8V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
EM1024CY	24W	5~8V	0A	4A	$\pm 5\%$	$\pm 1\%$	100mV
EM1024DY	18W	9~11V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024EY	24W	9~11V	0A	2A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024FY	27W	9~11V	0A	3A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024GY	20W	12~17V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024HY	30W	12~17V	0A	2.5A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024JY	24W	18~24V	0A	1.33A	$\pm 5\%$	$\pm 1\%$	350mV
EM1024KY	30W	18~24V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	350mV
EM1024MY	20W	36~48V	0A	0.55A	$\pm 5\%$	$\pm 1\%$	480mV
EM1024NY	30W	36~48V	0A	0.83A	$\pm 5\%$	$\pm 1\%$	480mV
EM1024PY	36W	12V	0A	3A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024QY	24W	12V	0A	2A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024RY	36W	24V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	350mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 1A$
- Inrush Current: $\leq 60A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Latch-off
- Over Current Protection: Auto Recovery

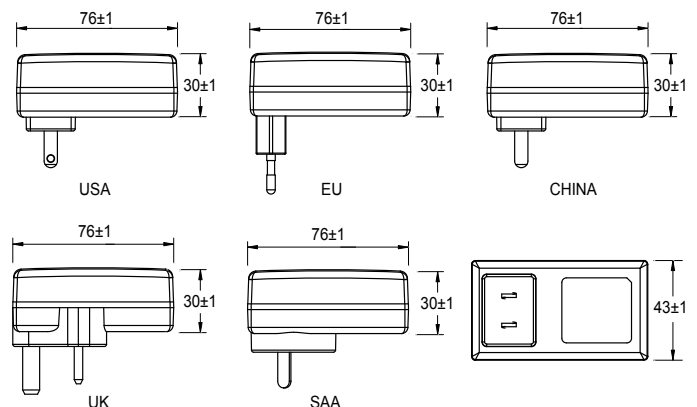
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, PSE, RCM, KC, BIS, CU, PSB, NRCAN, Argentina

MECHANICAL



- Case Size: 76L x 43W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
- Weight: 200g

Medical AC/DC Interchangeable Adaptor



Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LPS Compliance
- Protections:
 - Short circuit / Over voltage / Over current
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.1W$
- MTBF > 100,000 hours

EM1024 X R - vv PP

- X:** Output range
- R:** Interchangeable AC plug:
 - U: USA • E: EU • K: UK • A: SAA • C: China
 - B: Korea • I: India
- vv:** Specified output voltage, i.e. 12 is 12VDC
- PP:** DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1024AR	16W	5~8V	0A	2A	$\pm 5\%$	$\pm 1\%$	100mV
EM1024BR	20W	5~8V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
EM1024CR	24W	5~8V	0A	4A	$\pm 5\%$	$\pm 1\%$	100mV
EM1024DR	18W	9~11V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024ER	24W	9~11V	0A	2A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024FR	27W	9~11V	0A	3A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024GR	20W	12~17V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024HR	30W	12~17V	0A	2.5A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024JR	24W	18~24V	0A	1.33A	$\pm 5\%$	$\pm 1\%$	350mV
EM1024KR	30W	18~24V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	350mV
EM1024MR	20W	36~48V	0A	0.55A	$\pm 5\%$	$\pm 1\%$	480mV
EM1024NR	30W	36~48V	0A	0.83A	$\pm 5\%$	$\pm 1\%$	480mV
EM1024PR	36W	12V	0A	3A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024QR	24W	12V	0A	2A	$\pm 5\%$	$\pm 1\%$	250mV
EM1024RR	36W	24V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	350mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 1A$
- Inrush Current: $\leq 60A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Latch-off
- Over Current Protection: Auto Recovery

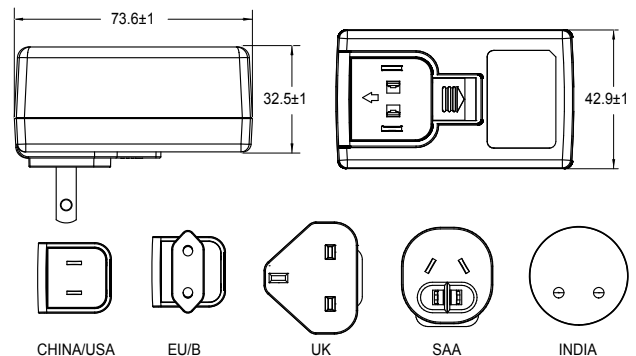
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, PSE, RCM, KC, BIS, CU, PSB, NRCAN, Argentina

MECHANICAL



- Case Size: 73.6L x 42.9W x 32.5H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
B: Korea, I: India
- Weight: 200g

GaN Medical AC/DC Interchangeable Adaptor

Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Gallium Nitride Based Design
- LED Indicator (optional)
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.21W$ (VI), $\leq 0.15W$ (Tier II)
- MTBF > 100,000 hours

EM1067S X R - vv PP

- X:** Output range
R: Interchangeable AC plug:
 • U: USA • E: EU • K: UK • A: SAA • C: China
 • B: Korea • I: India
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
 or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1067SAR	48W	12~15V	0A	4A	$\pm 5\%$	$\pm 1\%$	180mV
EM1067SBR	48W	19~24V	0A	2.52A	$\pm 5\%$	$\pm 1\%$	240mV
EM1067SCR	48W	28~36V	0A	1.71A	$\pm 5\%$	$\pm 1\%$	360mV
EM1067SDR	48W	48~56V	0A	1A	$\pm 5\%$	$\pm 1\%$	560mV
EM1067SER	60W	12~15V	0A	5A	$\pm 5\%$	$\pm 1\%$	180mV
EM1067SFR	60W	19~24V	0A	3.15A	$\pm 5\%$	$\pm 1\%$	240mV
EM1067SGR	60W	28~36V	0A	2.14A	$\pm 5\%$	$\pm 1\%$	360mV
EM1067SHR	60W	48~56V	0A	1.25A	$\pm 5\%$	$\pm 1\%$	560mV
EM1067SJR	65W	19~24V	0A	3.42A	$\pm 5\%$	$\pm 1\%$	240mV
EM1067SKR	65W	28~36V	0A	2.32A	$\pm 5\%$	$\pm 1\%$	360mV
EM1067SLR	65W	48~56V	0A	1.35A	$\pm 5\%$	$\pm 1\%$	560mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current 2A to 1A
- Inrush Current $\leq 120A/230VAC$
- Hold Up Time $\geq 8.3ms$
- Turn On Time $\leq 3s$

PROTECTION

- Short Circuit Protection Auto Recovery
- Over Voltage Protection Auto Recovery
- Over Current Protection Auto Recovery
- Over Temperature Protection Auto Recovery

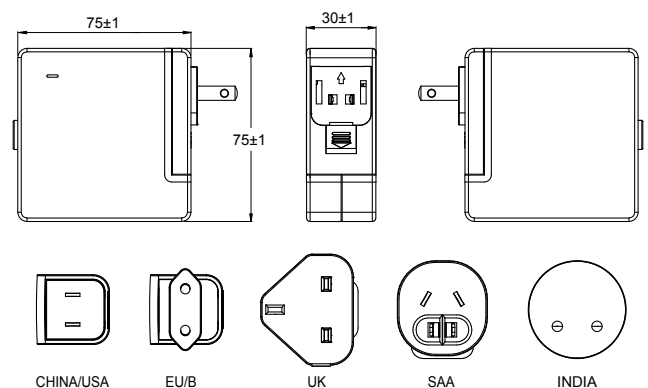
ENVIRONMENT

- Operating Temperature -20 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

MECHANICAL



- Case Size: 75L x 75W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
B: Korea, I: India
- Weight: 300g

Medical AC/DC Desktop Adaptor



Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LED Indicator
- LPS Compliance
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption
 - Less than 50W: $\leq 0.1W$
 - More than (includes) 50W: $\leq 0.21W$
- MTBF > 100,000 hours

EM1068 X Y - vv PP

- X:** AC inlet: 1. C14 2. C8 3. C6 6. C18
- Y:** Output range
- vv:** Specified output voltage, i.e. 12 is 12VDC
- PP:** DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1068XA	25W	5~9V	0A	5A	$\pm 5\%$	$\pm 1\%$	180mV
EM1068XB	40W	12~16V	0A	3.33A	$\pm 5\%$	$\pm 1\%$	240mV
EM1068XC	40W	18~24V	0A	2.1A	$\pm 5\%$	$\pm 1\%$	360mV
EM1068XD	40W	32~42V	0A	1.25A	$\pm 5\%$	$\pm 1\%$	630mV
EM1068XE	40W	44~56V	0A	0.9A	$\pm 5\%$	$\pm 1\%$	840mV
EM1068XF	30W	5~9V	0A	6A	$\pm 5\%$	$\pm 1\%$	180mV
EM1068XG	50W	12~16V	0A	4.16A	$\pm 5\%$	$\pm 1\%$	240mV
EM1068XH	50W	18~24V	0A	2.63A	$\pm 5\%$	$\pm 1\%$	360mV
EM1068XJ	50W	32~42V	0A	1.56A	$\pm 5\%$	$\pm 1\%$	630mV
EM1068XK	50W	44~56V	0A	1.13A	$\pm 5\%$	$\pm 1\%$	840mV
EM1068XW	40W	5~9V	0A	8A	$\pm 5\%$	$\pm 1\%$	180mV
EM1068XM	35W	5~9V	0A	7A	$\pm 5\%$	$\pm 1\%$	180mV
EM1068XN	60W	12~16V	0A	5A	$\pm 5\%$	$\pm 1\%$	240mV
EM1068XP	60W	18~24V	0A	3.15A	$\pm 5\%$	$\pm 1\%$	360mV
EM1068XQ	60W	32~42V	0A	1.87A	$\pm 5\%$	$\pm 1\%$	630mV
EM1068XR	60W	44~56V	0A	1.36A	$\pm 5\%$	$\pm 1\%$	840mV
EM1068XY	65W	12~16V	0A	5.42A	$\pm 5\%$	$\pm 1\%$	240mV
EM1068XS	45W	5~9V	0A	9A	$\pm 5\%$	$\pm 1\%$	180mV
EM1068XU	72W	12~16V	0A	6A	$\pm 5\%$	$\pm 1\%$	240mV
EM1068XV	72W	18~24V	0A	3.78A	$\pm 5\%$	$\pm 1\%$	360mV
EM1068XL	72W	32~42V	0A	2.25A	$\pm 5\%$	$\pm 1\%$	630mV
EM1068XT	72W	44~56V	0A	1.63A	$\pm 5\%$	$\pm 1\%$	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 2A$
- Inrush Current: $\leq 120A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Latch-off / Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Optional

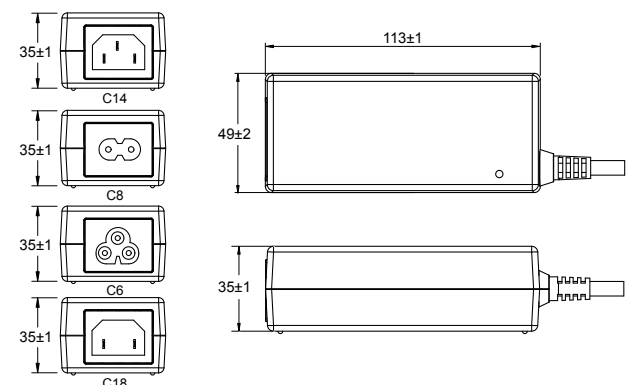
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, RCM, KC, BIS, CU, PSB, NRCAN, Argentina

MECHANICAL



- Case Size: 113L x 49W x 35H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 300g

Medical AC/DC Desktop Adaptor



Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LED Indicator
- LPS Compliance
- Active PFC Function
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature
- Energy Efficiency Level VI
- No Load Power Consumption ≤ 0.21 W
- MTBF > 100,000 hours

EM1095 X Y - vv PP

- X:** AC inlet: 1. C14 2. C8 3. C6 6. C18
- Y:** Output range
- vv:** Specified output voltage, i.e. 12 is 12VDC
- PP:** DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1095XC	84W	12~18V	0A	7A	$\pm 5\%$	$\pm 1\%$	270mV
EM1095XD	80W	18~24V	0A	4.44A	$\pm 5\%$	$\pm 1\%$	360mV
EM1095XE	90W	18~24V	0A	5A	$\pm 5\%$	$\pm 1\%$	360mV
EM1095XF	90W	12~18V	0A	7.5A	$\pm 5\%$	$\pm 1\%$	270mV
EM1095XG	80W	32~42V	0A	2.5A	$\pm 5\%$	$\pm 1\%$	630mV
EM1095XH	80W	44~56V	0A	1.81A	$\pm 5\%$	$\pm 1\%$	840mV
EM1095XJ	90W	32~42V	0A	2.81A	$\pm 5\%$	$\pm 1\%$	630mV
EM1095XK	90W	44~56V	0A	2.04A	$\pm 5\%$	$\pm 1\%$	840mV
EM1095XL	100W	32~42V	0A	3.12A	$\pm 5\%$	$\pm 1\%$	630mV
EM1095XM	100W	44~56V	0A	2.27A	$\pm 5\%$	$\pm 1\%$	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: ≤ 2.5 A
- Inrush Current: ≤ 120 A/230VAC
- Hold Up Time: ≥ 8.3 ms
- Turn On Time: ≤ 3 s

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Latch-off

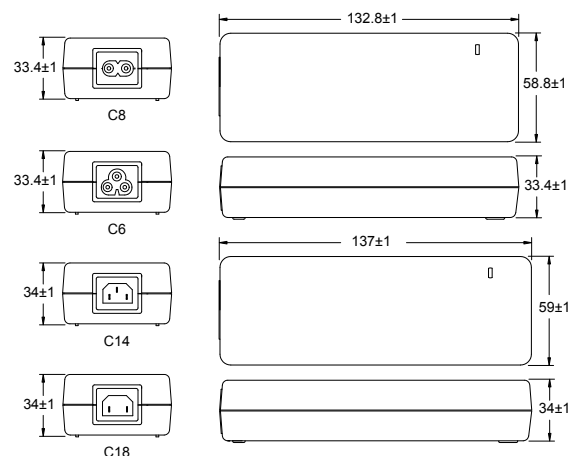
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, PSE, RCM, KC, BIS, CU, PSB, NRCAN, Argentina

MECHANICAL



- Case Size: 132.8L x 58.8W x 33.4H (mm) for AC inlet C8, C6
- Case Size: 137L x 59W x 34H (mm) for AC inlet C14, C18
- Weight: 420g

Medical AC/DC Desktop Adaptor



Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- LED Indicator
- Active PFC Function
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.21W$
- MTBF > 100,000 hours

EM1101 X Y - vv PP

- X:** AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1101XA	80W	12~16V	0A	6.66A	$\pm 5\%$	$\pm 1\%$	240mV
EM1101XB	90W	12~16V	0A	7.5A	$\pm 5\%$	$\pm 1\%$	240mV
EM1101XC	90W	19~24V	0A	4.73A	$\pm 5\%$	$\pm 1\%$	360mV
EM1101XD	100W	12~16V	0A	8.33A	$\pm 5\%$	$\pm 1\%$	240mV
EM1101XE	100W	19~24V	0A	5.26A	$\pm 5\%$	$\pm 1\%$	360mV
EM1101XF	110W	12~16V	0A	9.16A	$\pm 5\%$	$\pm 1\%$	240mV
EM1101XG	110W	19~24V	0A	5.78A	$\pm 5\%$	$\pm 1\%$	360mV
EM1101XH	120W	12~16V	0A	10A	$\pm 5\%$	$\pm 1\%$	240mV
EM1101XM	120W	19~24V	0A	6.31A	$\pm 5\%$	$\pm 1\%$	360mV
EM1101XN	100W	48~56V	0A	2.08A	$\pm 5\%$	$\pm 1\%$	840mV
EM1101XP	130W	48~56V	0A	2.7A	$\pm 5\%$	$\pm 1\%$	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 2A$
- Inrush Current: $\leq 120A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Latch-off
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Latch-off

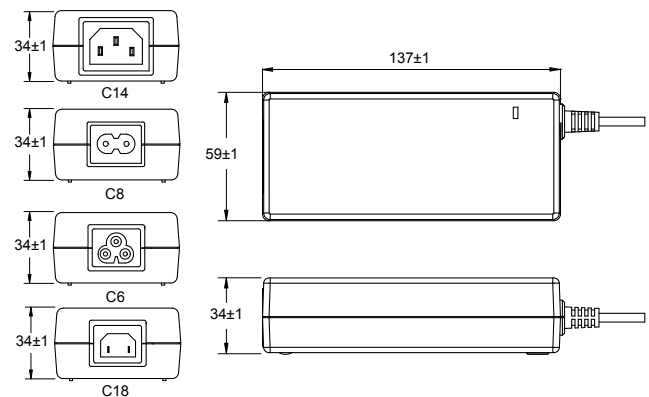
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, BSMI, PSE, BIS, RCM, KC, CU, PSB, NRCAN, Argentina

MECHANICAL



- Case Size: 137L x 59W x 34H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 450g

GaN Medical AC/DC Desktop Adaptor

Features

- 2 x MOPP, IEC/EN60601-1 Compliance
- Gallium Nitride Based Design
- LED Indicator
- Active PFC Function
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- Energy Efficiency up to 93%
- No Load Power Consumption $\leq 0.21W$ (VI) , $\leq 0.15W$ (Tier II)
- MTBF > 100,000 hours

EM1107 X Y - vv PP

- X:** AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
 or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1107XA	100W	12~16V	0A	8.33A	$\pm 5\%$	$\pm 1\%$	240mV
EM1107XB	100W	19~24V	0A	5.26A	$\pm 5\%$	$\pm 1\%$	360mV
EM1107XC	100W	28~36V	0A	3.57A	$\pm 5\%$	$\pm 1\%$	540mV
EM1107XD	100W	48~56V	0A	2.08A	$\pm 5\%$	$\pm 1\%$	840mV
EM1107XE	120W	12~16V	0A	10A	$\pm 5\%$	$\pm 1\%$	240mV
EM1107XF	120W	19~24V	0A	6.31A	$\pm 5\%$	$\pm 1\%$	360mV
EM1107XG	120W	28~36V	0A	4.28A	$\pm 5\%$	$\pm 1\%$	540mV
EM1107XH	120W	48~56V	0A	2.5A	$\pm 5\%$	$\pm 1\%$	840mV
EM1107XM	130W	19~24V	0A	6.84A	$\pm 5\%$	$\pm 1\%$	360mV
EM1107XN	130W	28~36V	0A	4.64A	$\pm 5\%$	$\pm 1\%$	540mV
EM1107XP	130W	48~56V	0A	2.7A	$\pm 5\%$	$\pm 1\%$	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current $\leq 2A$
- Inrush Current $\leq 120A/230VAC$
- Hold Up Time $\geq 8.3ms$
- Turn On Time $\leq 3s$

PROTECTION

- Short Circuit Protection Auto Recovery
- Over Voltage Protection Auto Recovery
- Over Current Protection Auto Recovery
- Over Temperature Protection Auto Recovery or Latch-off (optional)

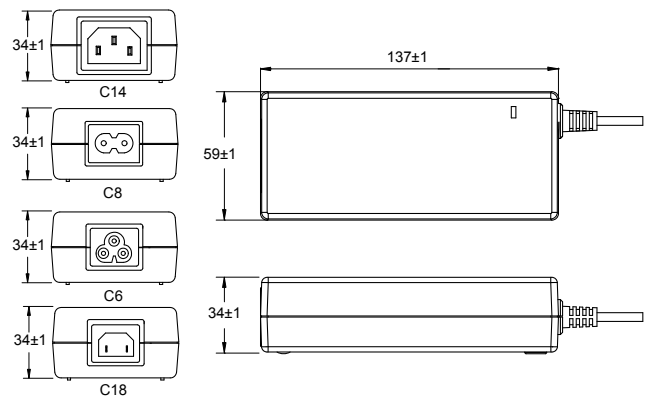
ENVIRONMENT

- Operating Temperature -20 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

SAFETY

- Complied with ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

MECHANICAL



- Case Size: 137L x 59W x 34H (mm)
- AC Inlet : C14, C8, C6, C18
- Weight: 450g

GaN Medical AC/DC Desktop Adaptor



Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Gallium Nitride Based Design
- Compact Size
- LED Indicator
- Active PFC Function
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- Energy Efficiency up to 95%
- No Load Power Consumption $\leq 0.21\text{W}$ (VI), $\leq 0.15\text{W}$ (Tier II)
- MTBF > 100,000 hours

EM1180 X Y - vv PP

- X:** AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
 or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1180XA	135W	12~15V	0A	11.25A	$\pm 5\%$	$\pm 1\%$	300mV
EM1180XB	135W	19~24V	0A	7.1A	$\pm 5\%$	$\pm 1\%$	360mV
EM1180XC	135W	28~36V	0A	4.82A	$\pm 5\%$	$\pm 1\%$	540mV
EM1180XD	135W	48~56V	0A	2.81A	$\pm 5\%$	$\pm 1\%$	840mV
EM1180XE	150W	12~15V	0A	12.5A	$\pm 5\%$	$\pm 1\%$	300mV
EM1180XF	150W	19~24V	0A	7.89A	$\pm 5\%$	$\pm 1\%$	360mV
EM1180XG	150W	28~36V	0A	5.35A	$\pm 5\%$	$\pm 1\%$	540mV
EM1180XH	150W	48~56V	0A	3.12A	$\pm 5\%$	$\pm 1\%$	840mV
EM1180XJ	170W	12~15V	0A	14.16A	$\pm 5\%$	$\pm 1\%$	300mV
EM1180XK	180W	19~24V	0A	9.47A	$\pm 5\%$	$\pm 1\%$	360mV
EM1180XM	180W	28~36V	0A	6.42A	$\pm 5\%$	$\pm 1\%$	540mV
EM1180XN	180W	48~56V	0A	3.75A	$\pm 5\%$	$\pm 1\%$	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: 2.5A to 0.8A
- Inrush Current: $\leq 120\text{A}/230\text{VAC}$
- Hold Up Time: $\geq 10\text{ms}$
- Turn On Time: $\leq 3\text{s}$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Latch-off

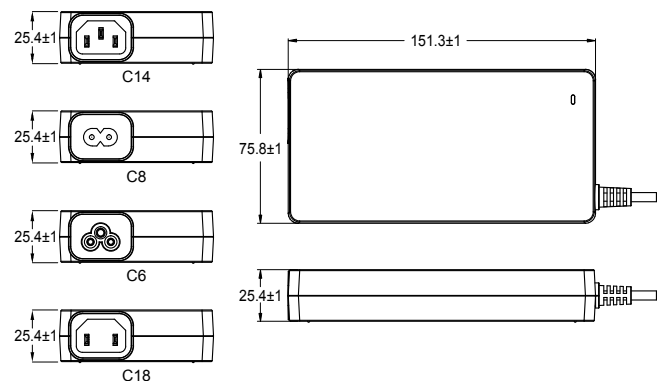
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2), CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

MECHANICAL



- Case Size: 151.3L x 75.8W x 25.4H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 480g

GaN Medical AC/DC Desktop Adaptor



Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Gallium Nitride Based Design
- Compact Size
- Active PFC Function
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature
- Energy Efficiency up to 95%
- No Load Power Consumption $\leq 0.21\text{W}$ (VI), $\leq 0.15\text{W}$ (Tier II)
- MTBF > 100,000 hours

EM1251 X Y - vv PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18

Y: Output range

vv: Specified output voltage, i.e. 12 is 12VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1251XA	200W	12~15V	0A	16.66A	$\pm 5\%$	$\pm 1\%$	300mV
EM1251XB	200W	19~24V	0A	10.52A	$\pm 5\%$	$\pm 1\%$	360mV
EM1251XC	200W	28~36V	0A	7.14A	$\pm 5\%$	$\pm 1\%$	540mV
EM1251XD	200W	48~56V	0A	4.16A	$\pm 5\%$	$\pm 1\%$	840mV
EM1251XE	230W	19~24V	0A	12.1A	$\pm 5\%$	$\pm 1\%$	360mV
EM1251XF	230W	28~36V	0A	8.21A	$\pm 5\%$	$\pm 1\%$	540mV
EM1251XG	230W	48~56V	0A	4.79A	$\pm 5\%$	$\pm 1\%$	840mV
EM1251XH	250W	19~24V	0A	13.15A	$\pm 5\%$	$\pm 1\%$	360mV
EM1251XJ	250W	28~36V	0A	8.92A	$\pm 5\%$	$\pm 1\%$	540mV
EM1251XK	250W	48~56V	0A	5.2A	$\pm 5\%$	$\pm 1\%$	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: 3.5A to 2.5A
- Inrush Current: $\leq 140\text{A}/230\text{VAC}$
- Hold Up Time: $\geq 8.3\text{ms}$
- Turn On Time: $\leq 3\text{s}$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Latch-off or Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

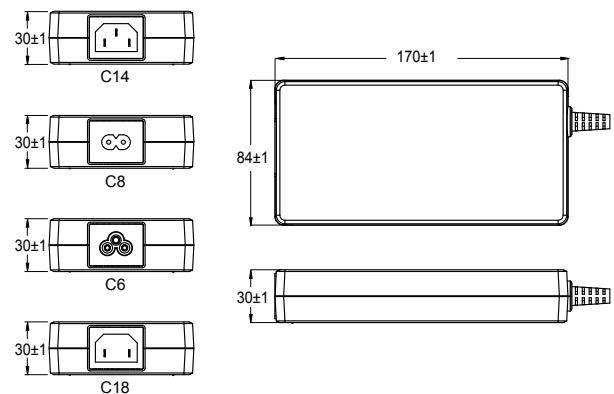
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2), CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1

MECHANICAL



- Case Size: 170L x 84W x 30H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 950g

GaN Medical AC/DC Desktop Adaptor



Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Gallium Nitride Based Design
- Compact Size
- Active PFC Function
- Protections :
Short circuit / Over voltage / Over current / Over temperature
- Energy Efficiency up to 93%
- No Load Power Consumption $\leq 0.5W$
- MTBF > 100,000 hours

EM1331 X Y - vv PP

- X:** AC inlet: 1. C14 2. C8 3. C6 6. C18
Y: Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1331XA	230W	12~15V	0A	19.16A	$\pm 5\%$	$\pm 1\%$	300mV
EM1331XB	250W	12~15V	0A	20.83A	$\pm 5\%$	$\pm 1\%$	300mV
EM1331XC	280W	12~15V	0A	23.3A	$\pm 5\%$	$\pm 1\%$	300mV
EM1331XD	280W	19~24V	0A	14.73A	$\pm 5\%$	$\pm 1\%$	480mV
EM1331XE	280W	28~36V	0A	10A	$\pm 5\%$	$\pm 1\%$	540mV
EM1331XF	280W	48~56V	0A	5.83A	$\pm 5\%$	$\pm 1\%$	840mV
EM1331XG	300W	12~15V	0A	25A	$\pm 5\%$	$\pm 1\%$	300mV
EM1331XH	300W	19~24V	0A	15.78A	$\pm 5\%$	$\pm 1\%$	480mV
EM1331XJ	300W	28~36V	0A	10.71A	$\pm 5\%$	$\pm 1\%$	560mV
EM1331XK	300W	48~56V	0A	6.25A	$\pm 5\%$	$\pm 1\%$	840mV
EM1331XM	330W	19~24V	0A	17.36A	$\pm 5\%$	$\pm 1\%$	480mV
EM1331XN	330W	28~36V	0A	11.78A	$\pm 5\%$	$\pm 1\%$	560mV
EM1331XP	330W	48~56V	0A	6.87A	$\pm 5\%$	$\pm 1\%$	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: 5A to 2.5A
- Inrush Current: $\leq 180A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

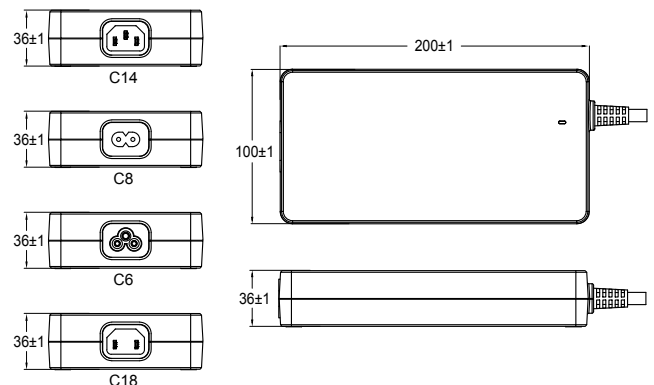
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

MECHANICAL



- Case Size: 200L x 100W x 36H (mm)
- AC inlet: C14, C8, C6, C18
- Weight: 950g

GaN Medical AC/DC Desktop Adaptor



Features

- 2 x MOPP, IEC/EN60601-1 Compliance
- Gallium Nitride Based Design
- Compact Size
- Active PFC Function
- Protections :
Short circuit / Over voltage / Over current / Over temperature
- Energy Efficiency up to 95%
- No Load Power Consumption $\leq 1W$
- MTBF > 100,000 hours

EM1420 X Y - vv PP

X: AC inlet: C14

Y: Output range

vv: Specified output voltage, i.e. 12 is 12VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1420XA	330W	12~15V	0A	27.5A	$\pm 5\%$	$\pm 1\%$	300mV
EM1420XB	330W	19~24V	0A	17.36A	$\pm 5\%$	$\pm 1\%$	360mV
EM1420XC	330W	28~36V	0A	11.78A	$\pm 5\%$	$\pm 1\%$	540mV
EM1420XD	330W	48~56V	0A	6.87A	$\pm 5\%$	$\pm 1\%$	840mV
EM1420XE	360W	19~24V	0A	18.94A	$\pm 5\%$	$\pm 1\%$	360mV
EM1420XF	360W	28~36V	0A	12.85A	$\pm 5\%$	$\pm 1\%$	540mV
EM1420XG	360W	48~56V	0A	7.5A	$\pm 5\%$	$\pm 1\%$	840mV
EM1420XH	420W	19~24V	0A	22.1A	$\pm 5\%$	$\pm 1\%$	360mV
EM1420XJ	420W	28~36V	0A	15A	$\pm 5\%$	$\pm 1\%$	540mV
EM1420XK	420W	48~56V	0A	8.75A	$\pm 5\%$	$\pm 1\%$	840mV

NOTE:

1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.

2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.

3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: 5A to 2.5A
- Inrush Current: $\leq 140A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

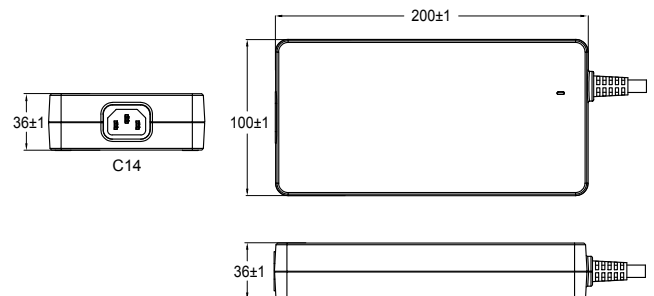
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: FCC Part 15B, CE EMC(EN 55032+EN 55035), CE EMC(EN 60601-1-2)
- Complied with ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, UKCA

MECHANICAL



- Case Size: 200L x 100W x 36H (mm)
- AC Inlet: C14
- Weight: 950g

GaN Medical AC/DC Desktop Adaptor



Features

- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Gallium Nitride Based Design
- LED Indicator
- Active PFC Function
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature
- Energy Efficiency up to 92%
- No Load Power Consumption < 1W
- MTBF > 100,000 hours

EM1450 X Y - vv PP

- X:** AC inlet: 1. C14
Y: Output range
vv: Specified output voltage, i.e. 19 is 19VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EM1450XA	450W	19~24V	0A	23.68A	± 5%	± 1%	360mV
EM1450XB	450W	28~36V	0A	16.07A	± 5%	± 1%	540mV
EM1450XC	450W	48~56V	0A	9.37A	± 5%	± 1%	840mV
EM1450XD	500W	36~42V	0A	13.88A	± 5%	± 1%	540mV
EM1450XE	500W	48~56V	0A	10.41A	± 5%	± 1%	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
 3 : Max. Power (W) ≥ Vo x Io

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: 6.5A to 3.3A / 3.5A to 1.8A
- Inrush Current: ≤ 80A/230VAC
- Hold Up Time: ≥ 8.3ms
- Turn On Time: ≤ 3s

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

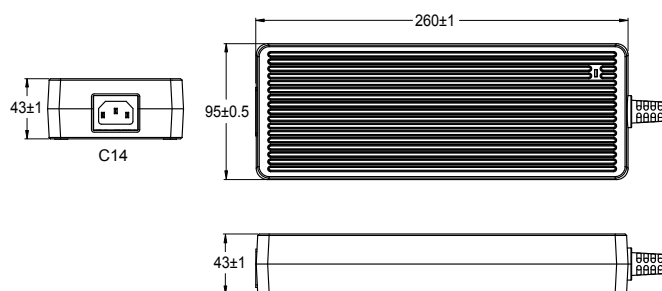
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1

MECHANICAL



- Case Size: 260L x 95W x 43H (mm)
- AC Inlet: C14
- Weight: 1600g



▶ PD Charger (USB Type-C)

- IEC/EN/UL 62368-1 Compliance
- Universal Input 100-240VAC
- Wall mounted/Desktop types
- USB Power Delivery Function
- Multiple Protections
- Energy Efficiency Level VI

GaN PD Charger (USB Type-C)



Features

- USB Power Delivery Function
- Gallium Nitride Based Design
- Protections:
Short circuit / Over voltage / Over current
Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.3W$
- MTBF > 100,000 hours
- PD 3.0 / QC 4.0+ / QC 4.0
- Customized Solutions Available

EU204AS X R

- X:** Output range
R: Interchangeable AC plug:
 • U: USA • E: EU • K: UK • A: SAA • C: China
 • B: Korea • I: India

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)		OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EU204AS	45W	USB-C	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
			9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
			12V	0A	3A	$\pm 5\%$	$\pm 1\%$	240mV
			15V	0A	3A	$\pm 5\%$	$\pm 1\%$	240mV
			20V	0A	2.25A	$\pm 5\%$	$\pm 1\%$	240mV
	18W	USB-A	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
			9V	0A	2A	$\pm 5\%$	$\pm 1\%$	180mV
			12V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	240mV
			5V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
			9V	0A	2.22A	$\pm 5\%$	$\pm 1\%$	180mV
	30W	USB-C (20W)	12V	0A	1.66A	$\pm 5\%$	$\pm 1\%$	240mV
			15V	0A	1.33A	$\pm 5\%$	$\pm 1\%$	240mV
			20V	0A	1.0A	$\pm 5\%$	$\pm 1\%$	240mV
			5V	0A	2A	$\pm 5\%$	$\pm 1\%$	180mV
		USB-A (10W)	5V	0A	2A	$\pm 5\%$	$\pm 1\%$	180mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 1.5A$
- Inrush Current: $\leq 120A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery (optional)

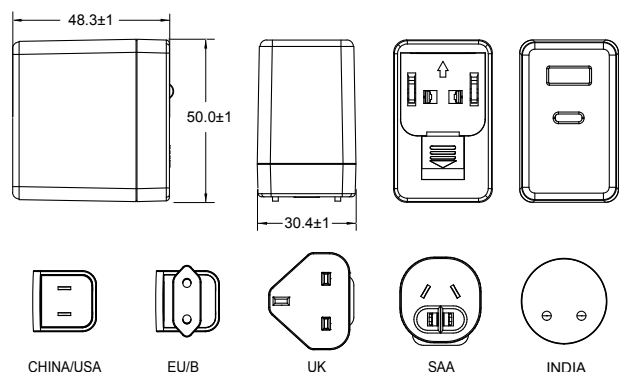
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), PSE, UKCA, BSMI

MECHANICAL



- Case Size: 50L x 48.3W x 30.4H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
B: Korea, I: India
- Weight: 200g

GaN PD Charger (USB Type-C)



Features

- USB Power Delivery Function
- Gallium Nitride Based Design
- Protections:
Short circuit / Over voltage / Over current
Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.3W$
- MTBF > 100,000 hours
- PD 3.0 / QC 4.0+ / QC 4.0
- Customized Solutions Available

EU306AS X R

- X:** Output range
R: Interchangeable AC plug:
 • U: USA • E: EU • K: UK • A: SAA • C: China
 • B: Korea • I: India

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)		OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE				
EU306AS	65W	USB-C1	5V	0A	3A	± 5%	± 1%	180mV				
			9V	0A	3A	± 5%	± 1%	180mV				
			12V	0A	3A	± 5%	± 1%	240mV				
			15V	0A	3A	± 5%	± 1%	240mV				
			20V	0A	3.25A	± 5%	± 1%	240mV				
	65W	USB-C2	5V	0A	3A	± 5%	± 1%	180mV				
			9V	0A	3A	± 5%	± 1%	180mV				
			12V	0A	3A	± 5%	± 1%	240mV				
			15V	0A	3A	± 5%	± 1%	240mV				
			20V	0A	3.25A	± 5%	± 1%	240mV				
	20W	USB-A	5V	0A	3A	± 5%	± 1%	180mV				
			9V	0A	2.22A	± 5%	± 1%	180mV				
			12V	0A	1.66A	± 5%	± 1%	240mV				
	65W	USB-C1+C2	C1 (45W)	5V	0A	3A	± 5%	± 1%	180mV			
				9V	0A	3A	± 5%	± 1%	180mV			
				12V	0A	3A	± 5%	± 1%	240mV			
				15V	0A	3A	± 5%	± 1%	240mV			
				20V	0A	2.25A	± 5%	± 1%	240mV			
			C2 (20W)	5V	0A	3A	± 5%	± 1%	180mV			
				9V	0A	2.22A	± 5%	± 1%	180mV			
				12V	0A	1.66A	± 5%	± 1%	240mV			
				65W	USB-C1+A	C1 (45W)	5V	0A	3A	± 5%	± 1%	180mV
							9V	0A	3A	± 5%	± 1%	180mV
	12V	0A	3A				± 5%	± 1%	240mV			
	15V	0A	3A				± 5%	± 1%	240mV			
	20V	0A	2.25A				± 5%	± 1%	240mV			
	A (20W)	5V	0A			3A	± 5%	± 1%	180mV			
		9V	0A			2.22A	± 5%	± 1%	180mV			
		12V	0A			1.66A	± 5%	± 1%	240mV			
	15W	USB-C2+A		5V	0A	3A	± 5%	± 1%	180mV			
	60W	USB-C1+C2+A	C1 (45W)	5V	0A	3A	± 5%	± 1%	180mV			
				9V	0A	3A	± 5%	± 1%	180mV			
				12V	0A	3A	± 5%	± 1%	240mV			
				15V	0A	3A	± 5%	± 1%	240mV			
				20V	0A	2.25A	± 5%	± 1%	240mV			
			C2+A (15W)	5V	0A	3A	± 5%	± 1%	180mV			

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

GaN PD Charger (USB Type-C)

INPUT

• Input Range	100 to 240 VAC
• Frequency	50 to 60Hz
• Input Current	$\leq 1.5A$
• Inrush Current	$\leq 120A/230VAC$
• Hold Up Time	$\geq 8.3ms$
• Turn On Time	$\leq 3s$

PROTECTION

• Short Circuit Protection	Auto Recovery
• Over Voltage Protection	Auto Recovery
• Over Current Protection	Auto Recovery
• Over Temperature Protection	Auto Recovery (optional)

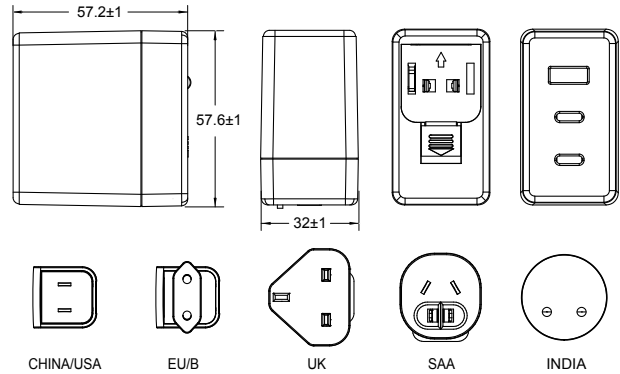
ENVIRONMENT

• Operating Temperature	-20 to 40°C
• Storage Temperature	-20 to 85°C
• Operating Humidity	10% to 90%
• Storage Humidity	5% to 95%

SAFETY

- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

MECHANICAL



- Case Size: 57.6L x 57.2W x 32H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
B: Korea, I: India
- Weight: 200g

GaN PD Charger (USB Type-C)



Features

- USB Power Delivery Function
- Gallium Nitride Based Design
- LED Indicator
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.21W$
- MTBF > 100,000 hours
- PD 3.0 / QC 4.0+ / QC 4.0
- Customized Solutions Available

EU106A X Y - PP

X: AC inlet: 2. C8 3. C6

Y: Output range

PP: DC plug code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EU106AXA	65W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		12V	0A	3A	$\pm 5\%$	$\pm 1\%$	240mV
		15V	0A	3A	$\pm 5\%$	$\pm 1\%$	300mV
		20V	0A	3.25A	$\pm 5\%$	$\pm 1\%$	360mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 1.5A$
- Inrush Current: $\leq 100A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

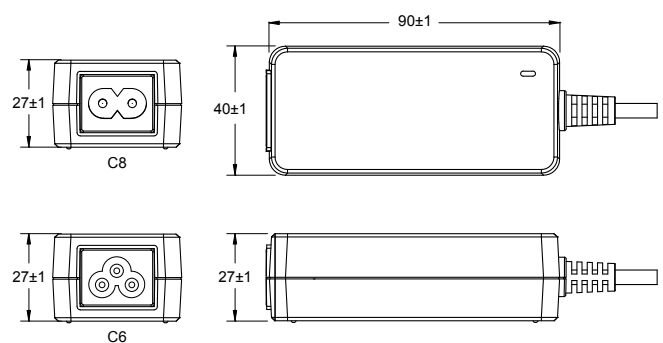
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery (optional)

ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

MECHANICAL



- Case Size: 90L x 40W x 27H (mm)
- AC Inlet: C8, C6
- Weight: 200g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA, PSE

GaN PD Charger (USB Type-C)



Features

- USB Power Delivery Function
- Gallium Nitride Based Design
- LED Indicator
- Active PFC Function
- Protections :
Short circuit / Over voltage / Over current
Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.1W$
- MTBF > 100,000 hours
- PD 3.1 USB Power Delivery Function
- Customized Solutions Available

EU124B X Y - PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18

Y: Output range

PP: DC plug code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EU124BXA	240W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	200mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	200mV
		15V	0A	3A	$\pm 5\%$	$\pm 1\%$	300mV
		20V	0A	5A	$\pm 5\%$	$\pm 1\%$	360mV
		28V	0A	5A	$\pm 5\%$	$\pm 1\%$	380mV
		36V	0A	5A	$\pm 5\%$	$\pm 1\%$	380mV
		48V	0A	5A	$\pm 5\%$	$\pm 1\%$	480mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 3.5A$
- Inrush Current: $\leq 160A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

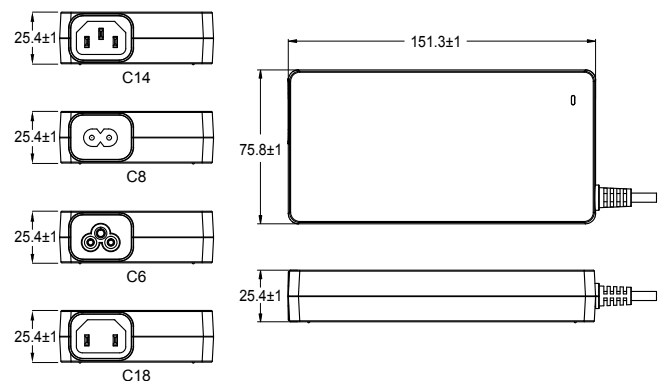
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery (optional)

ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 90%

MECHANICAL



- Case Size: 151.3L x 75.8W x 25.4H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 500g

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

Medical / ITE GaN PD Charger (USB Type-C)

Features

- 2 x MOPP, IEC/EN60601-1 Approval
- USB Power Delivery Function
- Gallium Nitride Based Design
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature (optional)
- Energy Efficiency Level VI or CoC Tier II
- No Load Power Consumption $\leq 0.21\text{W(VI)}$, $\leq 0.15\text{W(CoC Tier II)}$
- MTBF > 100,000 hours
- PD 3.0 / QC 4.0+ / QC 4.0
- Customized Solutions Available

EUM106A X R - PP

- X:** Output range
R: Interchangeable AC plug:
 • U: USA • E: EU • K: UK • A: SAA • C: China
 • B: Korea • I: India
PP: DC plug code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EUM106AAR	45W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	120mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	150mV
		12V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		15V	0A	3A	$\pm 5\%$	$\pm 1\%$	200mV
		20V	0A	2.25A	$\pm 5\%$	$\pm 1\%$	240mV
EUM106ABR	65W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	120mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	150mV
		12V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		15V	0A	3A	$\pm 5\%$	$\pm 1\%$	200mV
		20V	0A	3.25A	$\pm 5\%$	$\pm 1\%$	240mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: 1.5A to 0.8A
- Inrush Current: $\leq 140\text{A}/230\text{VAC}$
- Hold Up Time: $\geq 8.3\text{ms}$
- Turn On Time: $\leq 3\text{s}$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery (optional)

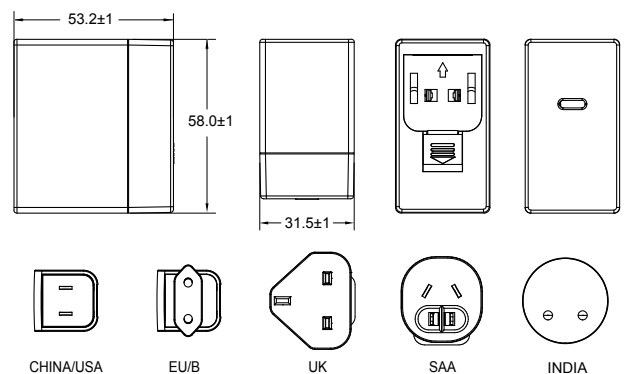
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1

MECHANICAL



- Case Size: 58L x 53.2W x 31.5H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
B: Korea, I: India
- Weight: 180g

Medical / ITE GaN PD Charger (USB Type-C)

Features

- 2 x MOPP, IEC/EN60601-1 Approval
- USB Power Delivery Function
- Gallium Nitride Based Design
- LED Indicator
- Protections:
Short circuit / Over voltage / Over current
Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.21W$ (VI)
- MTBF > 100,000 hours
- PD 3.0 USB Power Delivery Function
- Customized Solutions Available



EUM110A X Y - w PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18

Y: Output range

PP: DC plug code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EUM110AXA	100W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		12V	0A	3A	$\pm 5\%$	$\pm 1\%$	240mV
		15V	0A	3A	$\pm 5\%$	$\pm 1\%$	300mV
		20V	0A	5A	$\pm 5\%$	$\pm 1\%$	360mV
EUM110AXB	85W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		12V	0A	3A	$\pm 5\%$	$\pm 1\%$	240mV
		15V	0A	3A	$\pm 5\%$	$\pm 1\%$	300mV
		20V	0A	4.25A	$\pm 5\%$	$\pm 1\%$	360mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 2A$
- Inrush Current: $\leq 120A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

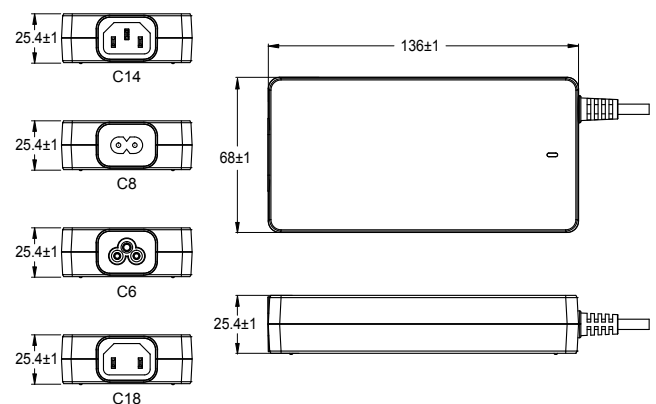
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery (optional)

ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

MECHANICAL



- Case Size: 136L x 68W x 25.4H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 500g

SAFETY

- Certified for whole series: ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2), UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

Medical / ITE GaN PD Charger (USB Type-C)

Features

- 2 x MOPP, IEC/EN60601-1 Compliance
- USB Power Delivery Function
- Gallium Nitride Based Design
- LED Indicator
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature (optional)
- Energy Efficiency Level VI, CoC Tier II
- No Load Power Consumption $\leq 0.21\text{W(VI)}$, $\leq 0.15\text{W(CoC Tier II)}$
- MTBF > 100,000 hours
- PD 3.1 USB Power Delivery Function
- Customized Solutions Available



EUM114A X Y - PP

X: AC inlet: 1. C14 2. C8 3. C6 6. C18

Y: Output range

PP: DC plug code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EUM114AXA	140W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		12V	0A	3A	$\pm 5\%$	$\pm 1\%$	240mV
		15V	0A	3A	$\pm 5\%$	$\pm 1\%$	300mV
		20V	0A	5A	$\pm 5\%$	$\pm 1\%$	360mV
		28V	0A	5A	$\pm 5\%$	$\pm 1\%$	360mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 2\text{A}$
- Inrush Current: $\leq 130\text{A}/230\text{VAC}$
- Hold Up Time: $\geq 10\text{ms}$
- Turn On Time: $\leq 3\text{s}$

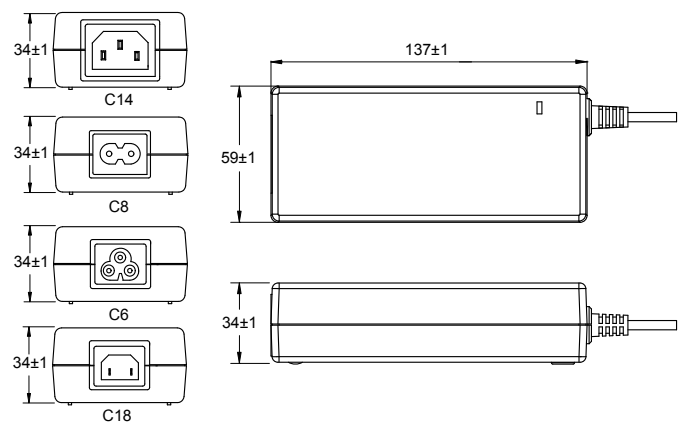
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery (optional)

ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

MECHANICAL

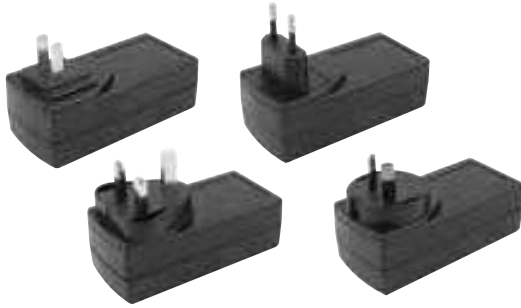


- Case Size: 137L x 59W x 34H (mm)
- AC Inlet: C14, C8, C6, C18
- Weight: 500g

SAFETY

- Complied with ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2), UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

PD Charger (USB Type-C)



Features

- USB Power Delivery Function
- LED Indicator
- Protections:
Short circuit / Over voltage / Over current
Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.1W$
- MTBF > 100,000 hours

EA1045 X Y - PP

- X:** Output range
Y: AC plug type: • U: USA • E: EU • K: UK • A: SAA
PP: DC plug Code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1045AY	30W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		15V	0A	2A	$\pm 5\%$	$\pm 1\%$	300mV
		20V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	360mV
EA1045BY	36W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		15V	0A	2.4A	$\pm 5\%$	$\pm 1\%$	300mV
		20V	0A	1.8A	$\pm 5\%$	$\pm 1\%$	360mV
EA1045CY	45W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		15V	0A	3A	$\pm 5\%$	$\pm 1\%$	300mV
		20V	0A	2.25A	$\pm 5\%$	$\pm 1\%$	360mV
EA1045DY	30W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		12V	0A	2.5A	$\pm 5\%$	$\pm 1\%$	200mV
		15V	0A	2A	$\pm 5\%$	$\pm 1\%$	300mV
EA1045EY	36W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		12V	0A	3A	$\pm 5\%$	$\pm 1\%$	200mV
		15V	0A	2.4A	$\pm 5\%$	$\pm 1\%$	300mV
EA1045FY	45W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		12V	0A	3A	$\pm 5\%$	$\pm 1\%$	200mV
		15V	0A	3A	$\pm 5\%$	$\pm 1\%$	300mV
		20V	0A	2.25A	$\pm 5\%$	$\pm 1\%$	360mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 1.5A$
- Inrush Current: $\leq 100A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery or Latch-off (optional)

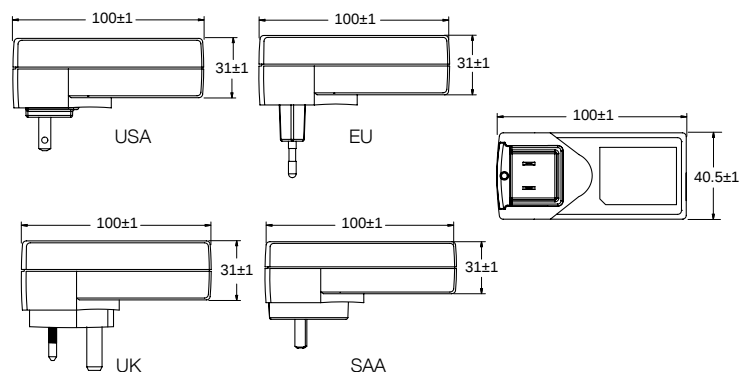
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: UL/cUL 60950-1, TUV EN 60950-1/EN 62368-1, CB IEC 60950-1, FCC Part 15B
- Complied with CE EMC(EN 55032+EN 55035)
- Certified for assigned models: PSE

MECHANICAL



- Case Size: 100L x 40.5W x 31H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA
- Weight: 220g

PD Charger (USB Type-C)



Features

- USB Power Delivery Function
- LED Indicator
- Protections:
Short circuit / Over voltage / Over current
Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.1W$
- MTBF > 100,000 hours

EA1045 X R - PP

- X:** Output range
R: Interchangeable AC plug:
 • U: USA • E: EU • K: UK • A: SAA • C: China
 • B: Korea • I: India
PP: DC plug Code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1045AR	30W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		15V	0A	2A	$\pm 5\%$	$\pm 1\%$	300mV
		20V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	360mV
EA1045BR	36W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		15V	0A	2.4A	$\pm 5\%$	$\pm 1\%$	300mV
		20V	0A	1.8A	$\pm 5\%$	$\pm 1\%$	360mV
EA1045CR	45W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		15V	0A	3A	$\pm 5\%$	$\pm 1\%$	300mV
		20V	0A	2.25A	$\pm 5\%$	$\pm 1\%$	360mV
EA1045DR	30W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		12V	0A	2.5A	$\pm 5\%$	$\pm 1\%$	200mV
		15V	0A	2A	$\pm 5\%$	$\pm 1\%$	300mV
EA1045ER	36W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		12V	0A	3A	$\pm 5\%$	$\pm 1\%$	200mV
		15V	0A	2.4A	$\pm 5\%$	$\pm 1\%$	300mV
EA1045FR	45W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		12V	0A	3A	$\pm 5\%$	$\pm 1\%$	200mV
		15V	0A	3A	$\pm 5\%$	$\pm 1\%$	300mV
		20V	0A	2.25A	$\pm 5\%$	$\pm 1\%$	360mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 1.5A$
- Inrush Current: $\leq 100A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery or Latch-off (optional)

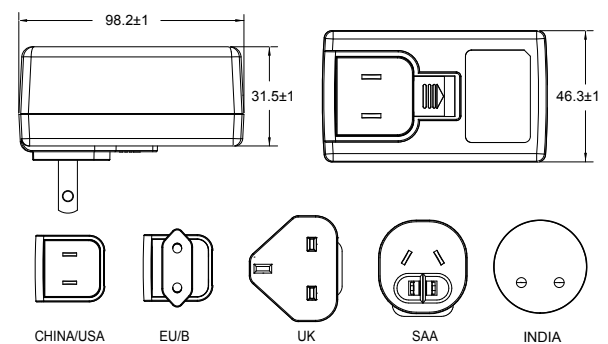
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: UL/cUL 60950-1, TUV EN 60950-1/EN 62368-1, CB IEC 60950-1, FCC Part 15B
- Complied with CE EMC(EN 55032+EN 55035)
- Certified for assigned models: PSE

MECHANICAL



- Case Size: 98.2L x 46.3W x 31.5H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
B: Korea, I: India
- Weight: 200g

PD Charger (USB Type-C)



Features

- USB Power Delivery Function
- LED Indicator
- Protections:
Short circuit / Over voltage / Over current
Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.1W$
- MTBF > 100,000 hours

EA1045S X R - PP

- X:** Output range
R: Interchangeable AC plug:
 • U: USA • E: EU • K: UK • A: SAA • C: China
 • B: Korea • I: India
PP: DC plug Code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1045SAR	30W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		12V	0A	2.5A	$\pm 5\%$	$\pm 1\%$	200mV
		15V	0A	2A	$\pm 5\%$	$\pm 1\%$	300mV
		20V	0A	1.5A	$\pm 5\%$	$\pm 1\%$	360mV
EA1045SBR	36W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		12V	0A	3A	$\pm 5\%$	$\pm 1\%$	200mV
		15V	0A	2.4A	$\pm 5\%$	$\pm 1\%$	300mV
		20V	0A	1.8A	$\pm 5\%$	$\pm 1\%$	360mV
EA1045SCR	45W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		12V	0A	3A	$\pm 5\%$	$\pm 1\%$	200mV
		15V	0A	3A	$\pm 5\%$	$\pm 1\%$	300mV
		20V	0A	2.25A	$\pm 5\%$	$\pm 1\%$	360mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range 100 to 240 VAC
- Frequency 50 to 60Hz
- Input Current $\leq 1.5A$
- Inrush Current $\leq 100A/230VAC$
- Hold Up Time $\geq 8.3ms$
- Turn On Time $\leq 3s$

PROTECTION

- Short Circuit Protection Auto Recovery
- Over Voltage Protection Auto Recovery
- Over Current Protection Auto Recovery
- Over Temperature Protection Auto Recovery or Latch-off (optional)

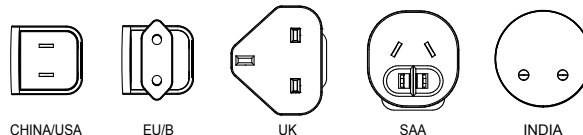
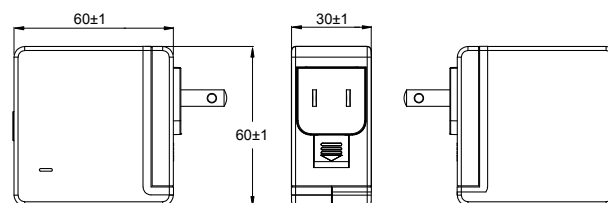
ENVIRONMENT

- Operating Temperature -20 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), CCC, UKCA
- Certified for assigned models: PSE, BIS

MECHANICAL



- Case Size: 60L x 60W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
B: Korea, I: India
- Weight: 190g

PD Charger (USB Type-C)



Features

- USB Power Delivery Function
- LED Indicator
- LPS Compliance
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature (optional)
- Energy Efficiency Level VI
- No Load Power Consumption $\leq 0.21W$
- MTBF > 100,000 hours

EA1062S X R - PP

- X:** Output range
R: Interchangeable AC plug:
 • U: USA • E: EU • K: UK • A: SAA • C: China
 • B: Korea • I: India
PP: DC plug code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1062SAR	65W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		12V	0A	3A	$\pm 5\%$	$\pm 1\%$	240mV
		15V	0A	3A	$\pm 5\%$	$\pm 1\%$	300mV
		20V	0A	3.25A	$\pm 5\%$	$\pm 1\%$	360mV
EA1062SBR	60W	5V	0A	3A	$\pm 5\%$	$\pm 1\%$	100mV
		9V	0A	3A	$\pm 5\%$	$\pm 1\%$	180mV
		12V	0A	3A	$\pm 5\%$	$\pm 1\%$	240mV
		15V	0A	3A	$\pm 5\%$	$\pm 1\%$	300mV
		20V	0A	3A	$\pm 5\%$	$\pm 1\%$	360mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 2.5A$
- Inrush Current: $\leq 100A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Optional

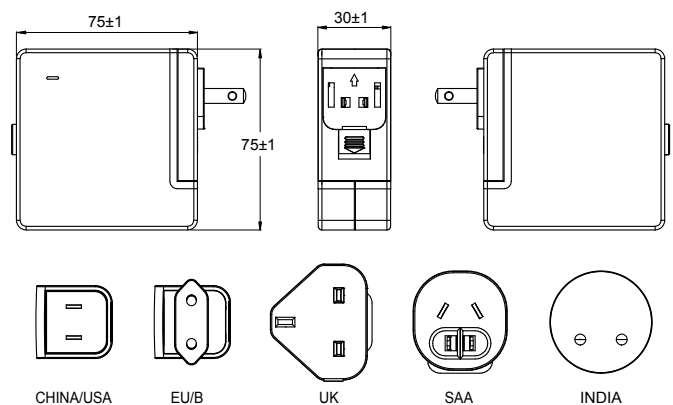
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CCC, PSE, KC

MECHANICAL



- Case Size: 75L x 75W x 30H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: China
 B: Korea, I: India
- Weight: 250g

PD Car Adaptor



Features

- USB Power Delivery Function
- LED Indicator
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- Efficiency 83% Min. Nominal Input
- MTBF > 50,000 hours

ED1046XP - PP

X: Output type: S(SR), U(USB)

PP: DC plug code 92 for USB Type-C

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE(Max)
ED1046SP	45W	11~16V	5V	0A	3A	± 5%	± 1%	100mV
			9V	0A	3A	± 5%	± 1%	180mV
			12V	0A	3A	± 5%	± 1%	240mV
			15V	0A	3A	± 5%	± 1%	300mV
			20V	0A	2.25A	± 5%	± 1%	360mV
ED1046UP	45W	11~16V	5V	0A	3A	± 5%	± 1%	100mV
			9V	0A	3A	± 5%	± 1%	180mV
			12V	0A	3A	± 5%	± 1%	240mV
			15V	0A	3A	± 5%	± 1%	300mV
			20V	0A	2.25A	± 5%	± 1%	360mV

NOTE:

1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.

2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.

3 : Max. Power (W) ≥ Vo x Io

INPUT

- Input Range: 11 to 16 VDC
- Input Current: 7A Max
- Turn On Time: ≤ 3s

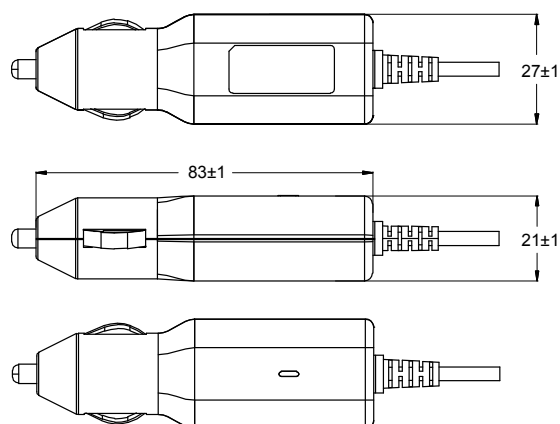
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

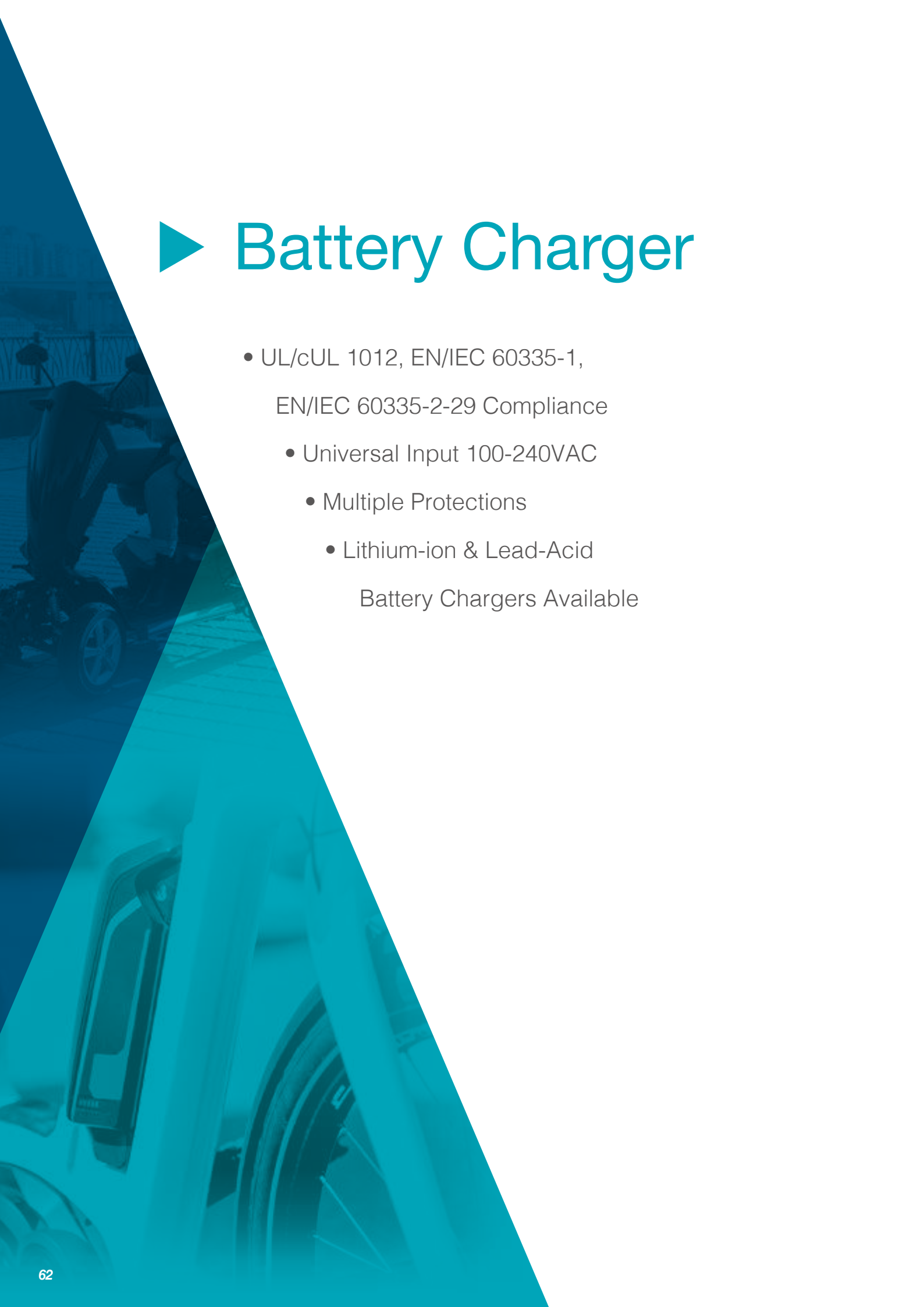
MECHANICAL



- Case Size: 83L x 27W x 21H (mm)
- Weight: 40g

SAFETY

- Complied with CE (EMC+LVD EN62368-1), FCC Part 15B



▶ Battery Charger

- UL/cUL 1012, EN/IEC 60335-1,
EN/IEC 60335-2-29 Compliance
 - Universal Input 100-240VAC
 - Multiple Protections
 - Lithium-ion & Lead-Acid
- Battery Chargers Available

Lithium-ion Battery Charger



Features

- Application: E-bike, E-scooter, E-wheelchair, E-tool
- CC/CV Charging Mode
- For 42V/10S Battery Pack Use
- Battery Polarity Reverse Protection
- LED Indicator
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature
- No Load Power Consumption $\leq 1W$
- MTBF > 100,000 hours

EC1085 X Y - vv PP

X: AC inlet: 2. C8 3. C6

Y: Output range

vv: Specified output voltage, i.e. 42 is 42VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

For 10S battery pack use

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EC1085XA	84W	42V	0A	2A	$\pm 5\%$	$\pm 1\%$	300mV
EC1085XB	42W	42V	0A	1A	$\pm 5\%$	$\pm 1\%$	300mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 2.2A$
- Inrush Current: $\leq 70A/230VAC$

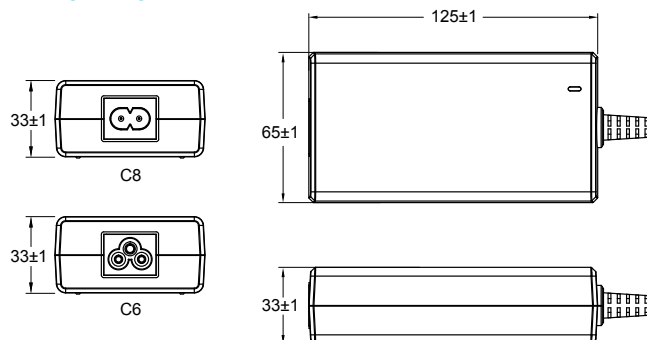
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Latch-off
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

ENVIRONMENT

- Operating Temperature: 0 to 40°C
- Storage Temperature: -20 to 60°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 90%

MECHANICAL



- Case Size: 125L x 65W x 33H (mm)
- AC Inlet: C8, C6
- Weight: 420g

SAFETY

- Certified for whole series: EN/IEC 60335-1/EN IEC 60335-2-29, FCC Part 15B, CE EMC(EN 55014-1+EN 55014-2), UKCA, Complied with UL 1012
- Certified for assigned models: BSMI, PSE

Lithium-ion Battery Charger



Features

- Application: E-bike, E-scooter, E-wheelchair, E-tool
- CC/CV Charging Mode
- For 29.4V/7S & 42V/10S & 54.6V/13S Battery Pack Use
- Battery Polarity Reverse Protection
- LED Indicator
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature
- No Load Power Consumption $\leq 1W$
- MTBF > 100,000 hours

EC116A X Y - vv PP

- X:** AC inlet: 2. C8 3. C6
- Y:** Output range
- vv:** Specified output voltage, i.e. 42 is 42VDC
- PP:** DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

For 10S battery pack use

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EC116AXA	84W	42V	0A	2A	$\pm 5\%$	$\pm 1\%$	600mV
EC116AXB	126W	42V	0A	3A	$\pm 5\%$	$\pm 1\%$	600mV
EC116AXC	168W	42V	0A	4A	$\pm 5\%$	$\pm 1\%$	600mV

For 13S battery pack use

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EC116AXD	109.2W	54.6V	0A	2A	$\pm 5\%$	$\pm 1\%$	800mV
EC116AXE	163.8W	54.6V	0A	3A	$\pm 5\%$	$\pm 1\%$	800mV

For 7S battery pack use

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EC116AXF	117.6W	29.4V	0A	4A	$\pm 5\%$	$\pm 1\%$	600mV
EC116AXG	147W	29.4V	0A	5A	$\pm 5\%$	$\pm 1\%$	600mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 2.5A$
- Inrush Current: $\leq 120A/230VAC$

PROTECTION

- Short Circuit Protection: Latch-off
- Over Voltage Protection: Latch-off
- Over Current Protection: Latch-off
- Over Temperature Protection: Latch-off

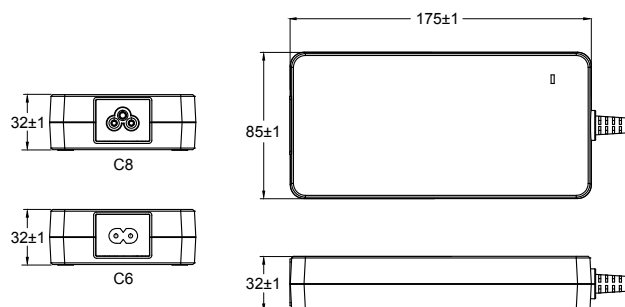
ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 90%

SAFETY

- Complied with EN/IEC 60335-1/EN IEC 60335-2-29, FCC Part 15B, CE EMC(EN 55014-1+EN 55014-2), UKCA

MECHANICAL



- Case Size: 175L x 85W x 32H (mm)
- AC Inlet: C8, C6
- Weight: 670g

Lead-Acid Battery Charger



Features

- Lead-Acid Battery Charger
- Constant Power Charging Mode
- Battery Polarity Reverse Protection
- 2 LED Charging Indicator
- 2 Step Fast Charging Capability
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature
- MTBF > 50,000 hours
- Recommend for 24V/12~35Ah Lead-Acid Battery

EA1089 Y - vv PP

Y: Charge current

vv: Specified output voltage, i.e. 24 is 24VDC

PP: DC plug type

General Specification

OUTPUT

MODEL No.	FAST CHARGE CURRENT	MAINTAINING CHARGE VOLTAGE	FLOATING CHARGE VOLTAGE
EA1089D	3A	29.4V	27.5V
EA1089C	3.5A	29.4V	27.5V

NOTE:

1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.

2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.

3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: 2.5A Max.
- Inrush Current: $\leq 120A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

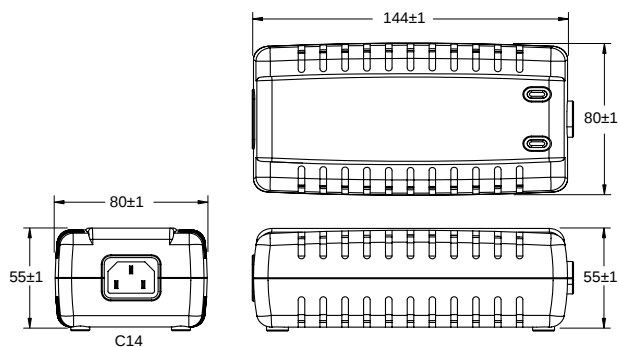
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

MECHANICAL



- Case Size: 144L x 80W x 55H (mm)
- AC Inlet: C14
- Weight: 560g

SAFETY

- Complied with UL 1012, CSA C22.2 No. 107.2-01, EN/IEC 60335-1/EN IEC 60335-2-29, FCC Part 15B, CE EMC(EN 55014-1+EN 55014-2)

Lead-Acid Battery Charger



Features

- Lead-Acid Battery Charger
- Constant Power Charging Mode
- Battery Polarity Reverse Protection
- 2 LED Charging Indicator
- 2 Step Fast Charging Capability
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature
- MTBF > 50,000 hours
- Recommend for 24V/15~45Ah Lead-Acid Battery

EA1118 Y - vv PP

Y: Charge current

vv: Specified output voltage, i.e. 24 is 24VDC

PP: DC plug type

General Specification

OUTPUT

MODEL No.	FAST CHARGE CURRENT	MAINTAINING CHARGE VOLTAGE	FLOATING CHARGE VOLTAGE
EA1118D	4A	29.4V	27.5V
EA1118C	4.5A	29.4V	27.5V

NOTE:

1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.

2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.

3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: 3.2A Max.
- Inrush Current: $\leq 120A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

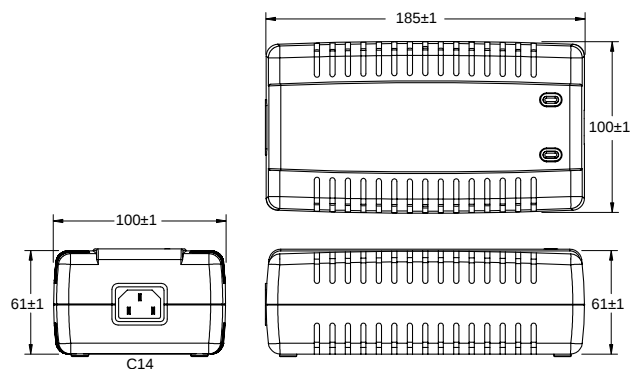
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

MECHANICAL



- Case Size: 185L x 100W x 61H (mm)
- AC Inlet: C14
- Weight: 650g

SAFETY

- Complied with UL 1012, CSA C22.2 No. 107.2-01, EN/IEC 60335-1/EN IEC 60335-2-29, FCC Part 15B, CE EMC(EN 55014-1+EN 55014-2)

Lead-Acid Battery Charger



Features

- Lead-Acid Battery Charger
- Constant Power Charging Mode
- Battery Polarity Reverse Protection
- 2 LED Charging Indicator
- 2 Step Fast Charging Capability
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature
- MTBF > 50,000 hours
- Recommend for 24V/17~55Ah Lead-Acid Battery

EA1148 Y - vv PP

Y: Charge current

vv: Specified output voltage, i.e. 24 is 24VDC

PP: DC plug type

General Specification

OUTPUT

MODEL No.	FAST CHARGE CURRENT	MAINTAINING CHARGE VOLTAGE	FLOATING CHARGE VOLTAGE
EA1148D	5A	29.4V	27.5V
EA1148C	5.5A	29.4V	27.5V

NOTE:

1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.

2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.

3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: 4A Max.
- Inrush Current: $\leq 120A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

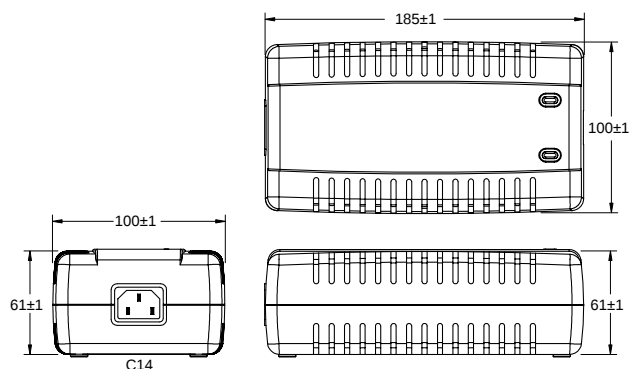
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

MECHANICAL



- Case Size: 185L x 100W x 61H (mm)
- AC Inlet: C14
- Weight: 850g

SAFETY

- Complied with UL 1012, CSA C22.2 No. 107.2-01, EN/IEC 60335-1/EN IEC 60335-2-29, FCC Part 15B, CE EMC(EN 55014-1+EN 55014-2)

Lead-Acid Battery Charger



Features

- Lead-Acid Battery Charger
- Constant Power Charging Mode
- Battery Polarity Reverse Protection
- 2 LED Charging Indicator
- 2 Step Fast Charging Capability
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature
- MTBF > 50,000 hours
- Recommend for 24V/55~90Ah Lead-Acid Battery

EA1230B - PP

PP: DC plug type

General Specification

OUTPUT

MODEL NO.	FAST CHARGE CURRENT	MAINTAINING CHARGE VOLTAGE	FLOATING CHARGE VOLTAGE
EA1230B	8A	29.4V	27.5V

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: 6A Max.
- Inrush Current: $\leq 220A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

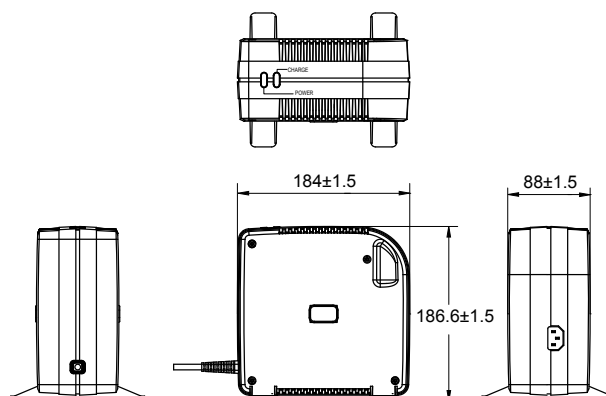
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

MECHANICAL



- Case Size: 184L x 88W x 186.6H (mm)
- AC Inlet: C14
- DC Cable: SVT

SAFETY

- Complied with UL/cUL 1012, CSA C22.2 No. 107.2-01, EN/IEC 60335-1/EN IEC 60335-2-29, FCC Part 15B, CE EMC(EN 55014-1+EN 55014-2)

► Open Frame Switching Power Supply

- Designs based on ITE,
Medical, and Household Regulations
 - 2 x MOPP Compliance
 - Universal Input 100-240VAC
 - 2.5"x1.5" / 3"x2" / 4"x2" / 5"x3" Complete
Dimensions for Selection
 - Multiple Protections
 - Customized Solutions Available

Medical / ITE Open Frame



Features

- 2.85" x 1.72" Compact Size
- 2 x MOPP, IEC/EN60601-1 Compliance
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- Energy Efficiency $\geq 88\%$ ~90% depends on models
- No Load Power Consumption $\leq 0.1W$
- MTBF > 100,000 hours
- Low Leakage Current
- Customized Solutions Available

EPM104A U - XX YY

- U:** Output range
XX: Specified output voltage, i.e. 12 is 12VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EPM104AA	30W	12~15V	0A	2.5A	$\pm 2\%$	$\pm 1\%$	240mV
EPM104AB	30W	19~24V	0A	1.57A	$\pm 2\%$	$\pm 1\%$	360mV
EPM104AC	30W	28~36V	0A	1.07A	$\pm 2\%$	$\pm 1\%$	540mV
EPM104AD	30W	48~56V	0A	0.62A	$\pm 2\%$	$\pm 1\%$	840mV
EPM104AE	40W	12~15V	0A	3.33A	$\pm 2\%$	$\pm 1\%$	240mV
EPM104AF	40W	19~24V	0A	2.1A	$\pm 2\%$	$\pm 1\%$	360mV
EPM104AG	40W	28~36V	0A	1.42A	$\pm 2\%$	$\pm 1\%$	540mV
EPM104AH	40W	48~56V	0A	0.83A	$\pm 2\%$	$\pm 1\%$	840mV
EPM104AJ	48W	12~15V	0A	4A	$\pm 2\%$	$\pm 1\%$	240mV
EPM104AK	48W	19~24V	0A	2.52A	$\pm 2\%$	$\pm 1\%$	360mV
EPM104AL	48W	28~36V	0A	1.71A	$\pm 2\%$	$\pm 1\%$	540mV
EPM104AM	48W	48~56V	0A	1A	$\pm 2\%$	$\pm 1\%$	840mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: 1.5A to 0.5A
- Inrush Current: $\leq 120A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

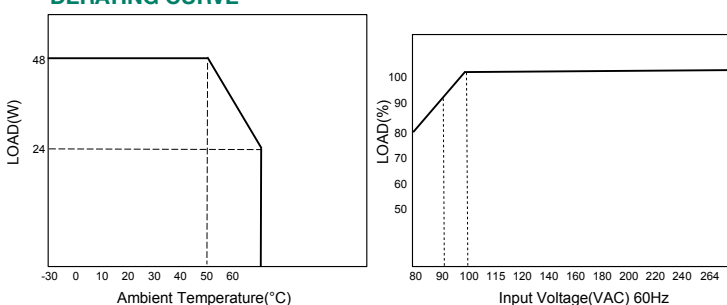
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

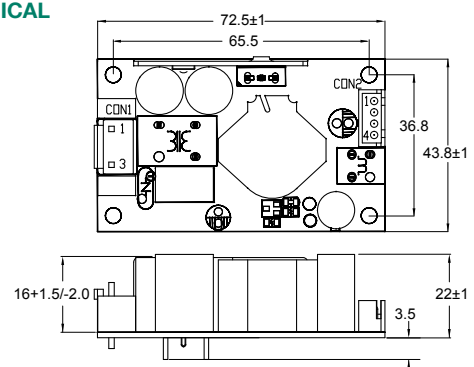
ENVIRONMENT

- Operating Temperature: -20 to 50°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90 %
- Storage Humidity: 5% to 95 %

DERATING CURVE



MECHANICAL



- Mechanical Size: 72.5Lx 43.8H x 22H (mm)
- AC Input Connector: JST B3P-VH or equivalent
- DC Input Connector: JST B4B-XH or equivalent
- Pin Assignment:

AC Input Connector:

Pin No.	Assignment
1	AC/N
2	No Pin
3	AC/L

DC Output Connector:

Pin No.	Assignment
1, 2	+V
3, 4	-V

- Weight: 56.8g

SAFETY

- Complied with ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: CB IEC 60601-1

Medical / ITE Open Frame



Features

- 3" x 2" Compact Size
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature
- Energy Efficiency $\geq 88\%$ ~91% depends on models
- No Load Power Consumption $\leq 0.15W$
- MTBF > 100,000 hours
- Low leakage Current
- Customized Solutions Available

EPM106A U - XX YY

U: Output range
XX: Specified output voltage, i.e. 12 is 12VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EPM106AA	45W	12~15V	0A	3.75A	$\pm 5\%$	$\pm 0.5\%$	200mV
EPM106AB	45W	19~24V	0A	2.36A	$\pm 5\%$	$\pm 0.5\%$	300mV
EPM106AC	45W	28~36V	0A	1.6A	$\pm 5\%$	$\pm 0.5\%$	450mV
EPM106AD	45W	48~56V	0A	0.93A	$\pm 5\%$	$\pm 0.5\%$	600mV
EPM106AE	50W	12~15V	0A	4.16A	$\pm 5\%$	$\pm 0.5\%$	200mV
EPM106AF	50W	19~24V	0A	2.63A	$\pm 5\%$	$\pm 0.5\%$	300mV
EPM106AG	50W	28~36V	0A	1.78A	$\pm 5\%$	$\pm 0.5\%$	450mV
EPM106AH	50W	48~56V	0A	1.04A	$\pm 5\%$	$\pm 0.5\%$	600mV
EPM106AJ	60W	12~15V	0A	5A	$\pm 5\%$	$\pm 0.5\%$	200mV
EPM106AK	60W	19~24V	0A	3.15A	$\pm 5\%$	$\pm 0.5\%$	300mV
EPM106AL	60W	28~36V	0A	2.14A	$\pm 5\%$	$\pm 0.5\%$	450mV
EPM106AM	60W	48~56V	0A	1.25A	$\pm 5\%$	$\pm 0.5\%$	600mV
EPM106AN	65W	12~15V	0A	5.41A	$\pm 5\%$	$\pm 0.5\%$	200mV
EPM106AP	65W	19~24V	0A	3.42A	$\pm 5\%$	$\pm 0.5\%$	300mV
EPM106AQ	65W	28~36V	0A	2.32A	$\pm 5\%$	$\pm 0.5\%$	450mV
EPM106AS	65W	48~56V	0A	1.35A	$\pm 5\%$	$\pm 0.5\%$	600mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: 2A to 0.5A
- Inrush Current: $\leq 120A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

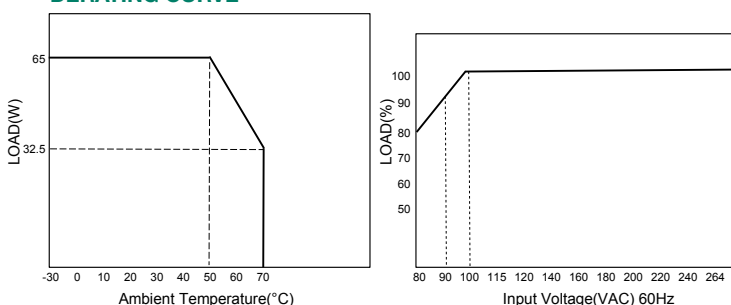
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

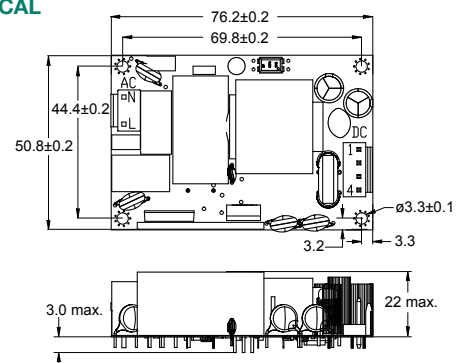
ENVIRONMENT

- Operating Temperature: -20 to 50°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90 %
- Storage Humidity: 5% to 95 %

DERATING CURVE



MECHANICAL



- Mechanical Size: 76.2L x 50.8W x 22H (mm)
- AC Input Connector: JST VHR Series or equivalent
- DC Output Connector: JST VHR Series or equivalent
- Pin Assignment:

Pin No.	Assignment
1	AC/L
2	No Pin
3	AC/N

DC Output Connector:

Pin No.	Assignment
1, 2	+V
3, 4	-V

- Weight: 110g

SAFETY

- Certified for whole series: TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2), CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA
- Certified for assigned models: UL 62368-1, CAN/CSA C22.2 No. 62368-1
- Complied with ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No.60601-1, TUV EN 62368-1

Medical / ITE Open Frame



Features

- 3" x 2" Compact Size
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Protections:
Short circuit / Over voltage / Over current / Over temperature
- Energy Efficiency $\geq 90\%$ ~92% depends on models
- No Load Power Consumption $\leq 0.3W$
- MTBF > 100,000 hours
- Low Leakage Current
- 120W Convection / 150W Peak Load 10s / 150W Forced Air
- Customized Solutions Available

EPM1122 U - XX YY

U: Output range
XX: Specified output voltage, i.e. 12 is 12VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	OUTPUT POWER (W)			OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)			LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
	Convection	Peak(10s)	Forced air 10CFM			Convection	Peak(10s)	Forced air 10CFM			
EPM1122A	100W	130W	130W	12V	0A	8.33A	10.83A	10.83A	$\pm 5\%$	$\pm 0.5\%$	100mV
EPM1122B	100W	130W	130W	15V	0A	6.66A	8.66A	8.66A	$\pm 5\%$	$\pm 0.5\%$	120mV
EPM1122C	100W	130W	130W	24V	0A	4.16A	5.41A	5.41A	$\pm 5\%$	$\pm 0.5\%$	150mV
EPM1122D	100W	130W	130W	27V	0A	3.7A	4.81A	4.81A	$\pm 5\%$	$\pm 0.5\%$	150mV
EPM1122E	100W	130W	130W	36V	0A	2.77A	3.61A	3.61A	$\pm 5\%$	$\pm 0.5\%$	200mV
EPM1122F	100W	130W	130W	48V	0A	2.08A	2.7A	2.7A	$\pm 5\%$	$\pm 0.5\%$	200mV
EPM1122G	114W	142W	142W	12V	0A	9.5A	11.83A	11.83A	$\pm 5\%$	$\pm 0.5\%$	100mV
EPM1122H	114W	142W	142W	15V	0A	7.6A	9.46A	9.46A	$\pm 5\%$	$\pm 0.5\%$	120mV
EPM1122J	120W	150W	150W	24V	0A	5A	6.25A	6.25A	$\pm 5\%$	$\pm 0.5\%$	150mV
EPM1122K	120W	150W	150W	27V	0A	4.44A	5.55A	5.55A	$\pm 5\%$	$\pm 0.5\%$	150mV
EPM1122L	120W	150W	150W	36V	0A	3.33A	4.16A	4.16A	$\pm 5\%$	$\pm 0.5\%$	200mV
EPM1122M	120W	150W	150W	48V	0A	2.5A	3.12A	3.12A	$\pm 5\%$	$\pm 0.5\%$	200mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: 2.5 A to 0.5A
- Inrush Current: $\leq 60A/230VAC$
- Hold Up Time: $\geq 15ms$
- Turn On Time: $\leq 600ms$

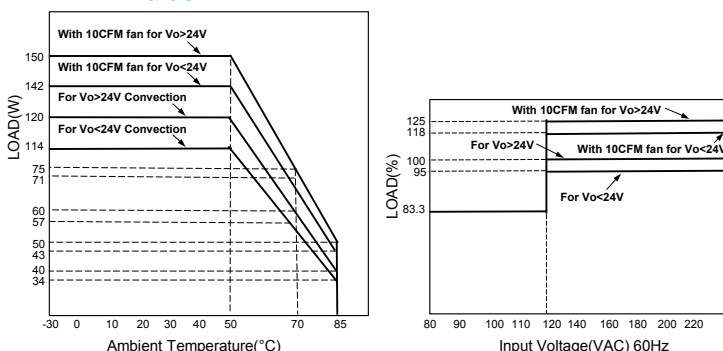
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Voltage Protection: Latch-off
- Over Temperature Protection: Auto Recovery

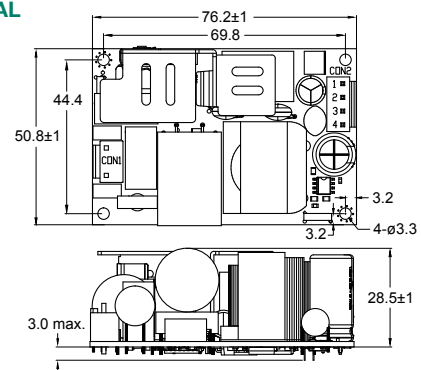
ENVIRONMENT

- Operating Temperature: -20 to 50°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90 %
- Storage Humidity: 5% to 95 %

DERATING CURVE



MECHANICAL



- Mechanical Size: 76.2L x 50.8W x 28.5H (mm)
- AC Input Connector: JST VHR Series or equivalent
- DC Output Connector: JST VHR Series or equivalent
- Pin Assignment:

AC Input Connector:

Pin No.	Assignment
1	AC/L
2	No Pin
3	AC/N

DC Output Connector:

Pin No.	Assignment
1, 2	+V
3, 4	-V

- Weight: 200g

SAFETY

- Certified for whole series: CB IEC 60601-1, CE EMC(EN 60601-1-2), UL 62368-1, CAN/CSA C22.2 No. 62368-1, CB IEC 62368-1, CE EMC(EN 55032+EN 55035), FCC Part 15B
- Complied with ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, TUV EN 62368-1

Medical / ITE Open Frame



Features

- 4" x 2" Compact Size
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Protections:
Short circuit / Over voltage / Over current / Over temperature
- Energy Efficiency $\geq 90\%$ ~93% depends on models
- No Load Power Consumption $\leq 0.5W$
- MTBF > 100,000 hours
- Low Leakage Current
- 150W Convection / 200W Forced Air
- Customized Solutions Available

EPM1153 U - XX YY

U: Output range
XX: Specified output voltage, i.e. 12 is 12VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	OUTPUT POWER (W)		OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
	Convection	Forced air 10CFM			Convection	Forced air 10CFM			
EPM1153A	130W	170W	12V	0A	10.83A	14.16A	$\pm 1\%$	$\pm 0.5\%$	100mV
EPM1153B	130W	170W	15V	0A	8.66A	11.33A	$\pm 1\%$	$\pm 0.5\%$	100mV
EPM1153C	130W	170W	24V	0A	5.41A	7.08A	$\pm 1\%$	$\pm 0.5\%$	120mV
EPM1153D	130W	170W	27V	0A	4.81A	6.29A	$\pm 1\%$	$\pm 0.5\%$	120mV
EPM1153E	130W	170W	48V	0A	2.7A	3.54A	$\pm 1\%$	$\pm 0.5\%$	120mV
EPM1153F	150W	200W	12V	0A	12.5A	16.66A	$\pm 1\%$	$\pm 0.5\%$	100mV
EPM1153G	150W	200W	15V	0A	10A	13.33A	$\pm 1\%$	$\pm 0.5\%$	100mV
EPM1153H	150W	200W	24V	0A	6.25A	8.33A	$\pm 1\%$	$\pm 0.5\%$	120mV
EPM1153J	150W	200W	27V	0A	5.55A	7.4A	$\pm 1\%$	$\pm 0.5\%$	120mV
EPM1153K	150W	200W	48V	0A	3.12A	4.16A	$\pm 1\%$	$\pm 0.5\%$	120mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: 3A to 1A
- Inrush Current: $\leq 60A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 1s$

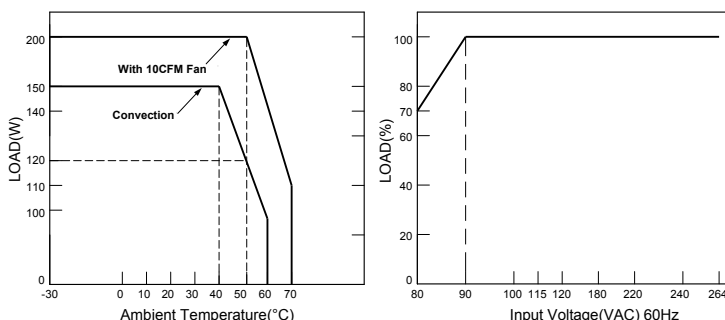
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

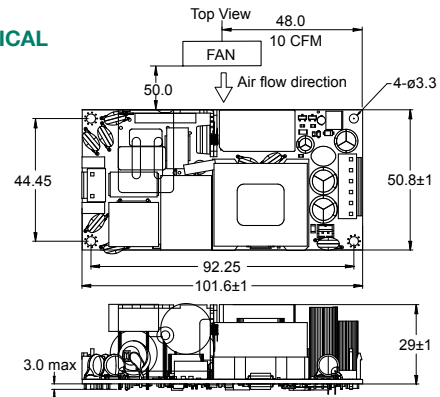
ENVIRONMENT

- Operating Temperature: -20 to 50°C
- Storage Temperature: -40 to 85°C
- Operating Humidity: 10% to 90 %
- Storage Humidity: 5% to 95 %

DERATING CURVE



MECHANICAL



- Mechanical Size: 101.6L x 50.8W x 29H (mm)
- Pin Assignment:
AC Input Connector (CON1) : JST B3P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	AC/L	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
2	No Pin		
3	AC/N		

DC Output Connector (CON2) : JST B6P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1, 2, 3	+V	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
4, 5, 6	-V		

- Weight: 200g

SAFETY

- Certified for whole series: CB IEC 60601-1, CE EMC(EN 60601-1-2), CB IEC 62368-1, CE EMC(EN 55032+EN 55035), FCC Part 15B
- Complied with ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1

Medical / ITE Open Frame



Features

- 4" x 2" compact size with low profile (25.4mm)
- 2 x MOPP, IEC/EN60601-1 Compliance
- Protections:
Short circuit / Over voltage / Over current / Over temperature
- Energy Efficiency $\geq 90\%$ depends on models
- No Load Power Consumption $\leq 0.5W$
- MTBF > 100,000 hours
- Low Leakage Current
- 180W Convection / 300W Forced Air / 450W Peak Load 3s
- 150% Peak Load @ 3s
- Customized Solutions Available

EPM118A U - XX YY

- U:** Output range
XX: Specified output voltage, i.e. 12 is 12VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	OUTPUT POWER (W)			OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)			LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
	Convection	Forced air 10CFM	Peak(3s) with Fan			Convection	Forced air 10CFM	Peak(3s) with Fan			
EPM118AA	150W	300W	450W	12V	0A	12.5A	25A	37.5A	$\pm 1\%$	$\pm 0.5\%$	120mV
EPM118AB	160W	300W	450W	15V	0A	10.66A	20A	30A	$\pm 1\%$	$\pm 0.5\%$	150mV
EPM118AC	170W	300W	450W	18V	0A	9.44A	16.66A	25A	$\pm 1\%$	$\pm 0.5\%$	180mV
EPM118AD	180W	300W	450W	24V	0A	7.5A	12.5A	18.75A	$\pm 1\%$	$\pm 0.5\%$	240mV
EPM118AE	180W	300W	450W	27V	0A	6.66A	11.11A	16.66A	$\pm 1\%$	$\pm 0.5\%$	270mV
EPM118AF	180W	300W	450W	30V	0A	6A	10A	15A	$\pm 1\%$	$\pm 0.5\%$	270mV
EPM118AG	180W	300W	450W	36V	0A	5A	8.33A	12.5A	$\pm 1\%$	$\pm 0.5\%$	300mV
EPM118AH	180W	300W	450W	48V	0A	3.75A	6.25A	9.37A	$\pm 1\%$	$\pm 0.5\%$	300mV
EPM118AJ	180W	300W	450W	54V	0A	3.33A	5.55A	8.33A	$\pm 1\%$	$\pm 0.5\%$	300mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 3.5A$
- Inrush Current: $\leq 60A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 3s$

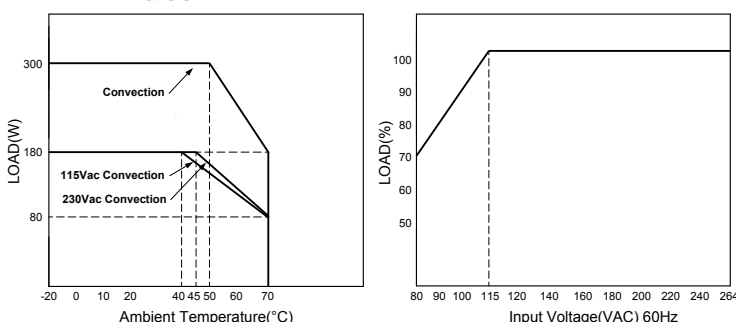
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery or Latch-off (optional)
- Over Temperature Protection: Auto Recovery

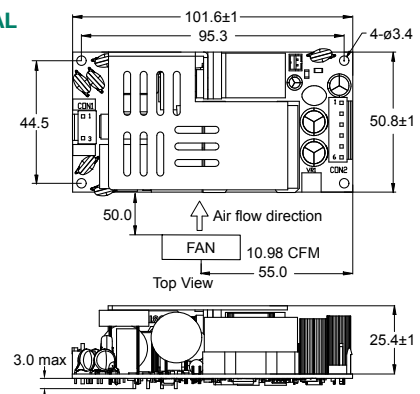
ENVIRONMENT

- Operating Temperature: -20 to 50°C
- Storage Temperature: -40 to 85°C
- Operating Humidity: 10% to 90 %
- Storage Humidity: 5% to 95 %

DERATING CURVE



MECHANICAL



- Mechanical Size: 101.6L x 50.8W x 25.4H (mm)
- Pin Assignment:
AC Input Connector (CON1) : JST B3P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	AC/L	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
2	No Pin		
3	AC/N		

DC Output Connector (CON2) : JST B6P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1, 2, 3	+V	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
4, 5, 6	-V		

- Weight: 230g

SAFETY

- Complied with ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, CB IEC 60601-1, CE EMC(EN 60601-1-2) UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035), UKCA

Medical / ITE Open Frame



Features

- 5" x 3" Compact Size
- 2 x MOPP Compliance, IEC/EN60601-1 Approval
- Protections:
Short circuit / Over voltage / Over current / Over temperature
- Energy Efficiency $\geq 89\%$ ~92% depends on models
- No Load Power Consumption ≤ 0.5 W
- MTBF > 100,000 hours
- Low Leakage Current
- 350W Convection / 500W Forced Air
- 5V Stand by & 12V Fan Supply (optional)
- Customized Solutions Available

EPM V 350 U Z - XX YY

- V:** Numbers of outputs
U: Output range
Z: Case Type
 -None(Blank): U-Frame (350W Max.)
 -C: U-Frame with Cover (350W Max.)
 -F: Enclosed Type with Fan (500W Max.)
XX: Specified output voltage, i.e. 12 is 12VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.		OUTPUT POWER (W)		OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
		Convection	Forced air 25CFM			Convection	Forced air 25CFM			
Single Output	EPM1350A	300W	400W	12V	0A	25A	33.33A	± 5%	± 0.5%	200mV
	EPM1350B	300W	400W	15V	0A	20A	26.66A	± 5%	± 0.5%	200mV
	EPM1350C	300W	400W	18V	0A	16.67A	22.22A	± 5%	± 0.5%	200mV
	EPM1350D	300W	400W	24V	0A	12.5A	16.66A	± 5%	± 0.5%	240mV
	EPM1350E	300W	400W	27V	0A	11.11A	14.81A	± 5%	± 0.5%	270mV
	EPM1350F	300W	400W	36V	0A	8.33A	11.11A	± 5%	± 0.5%	360mV
	EPM1350G	300W	400W	48V	0A	6.25A	8.33A	± 5%	± 0.5%	480mV
	EPM1350H	330W	450W	12V	0A	27.5A	37.5A	± 5%	± 0.5%	200mV
	EPM1350J	330W	450W	15V	0A	22A	30A	± 5%	± 0.5%	200mV
	EPM1350K	350W	500W	18V	0A	19.44A	27.77A	± 5%	± 0.5%	200mV
	EPM1350L	350W	500W	24V	0A	14.58A	20.83A	± 5%	± 0.5%	240mV
	EPM1350M	350W	500W	27V	0A	12.96A	18.51A	± 5%	± 0.5%	270mV
EPM1350N	350W	500W	36V	0A	9.72A	13.88A	± 5%	± 0.5%	360mV	
EPM1350P	350W	500W	48V	0A	7.29A	10.41A	± 5%	± 0.5%	480mV	
Dual Output	EPM2350U	300 ~ 500W		12,15,18, 24,27,36,48V	0A	25A	33.33A	± 5%	± 0.5%	
				5V	0A	0.6A	1A	± 5%	± 0.5%	

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current: 6A to 3A
- Inrush Current: $\leq 80A/230VAC$
- Hold Up Time: $\geq 10ms$
- Turn On Time: $\leq 3s$

PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

ENVIRONMENT

- Operating Temperature: -20 to 50°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90 %
- Storage Humidity: 5% to 95 %

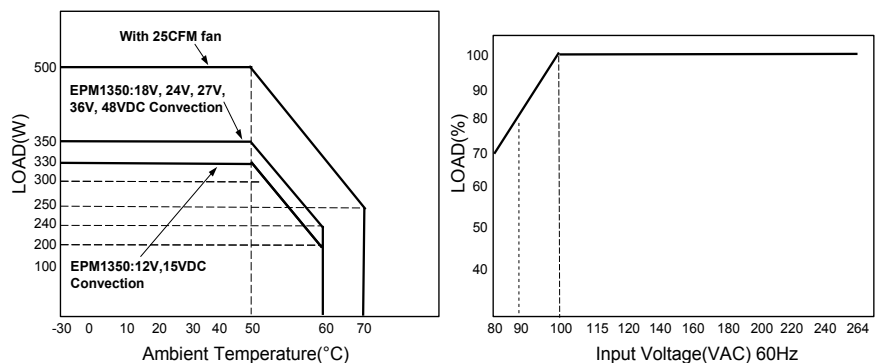
SAFETY

- Certified for whole series: CB IEC 60601-1, CE EMC(EN 60601-1-2), CB IEC 62368-1, CE EMC(EN 55032+EN 55035), FCC Part 15B
- Complied with ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1, TUV EN 60601-1, UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1

FUNCTION

- 5V Stand by: 5Vsb: 5V@0.6A without fan, 1A with fan 25CFM
- 12V Fan Supply: 12V@0.5A for driving fan

DERATING CURVE



Medical / ITE Open Framew

E PM V 350 U Z - XX YY

E	PM	V	U	Z	XX	YY
BUSINESS	TYPE	NUMBERS OF OUTPUTS	OUTPUT RANGE	CASE TYPE	OUTPUT VOLTAGE	OUTLINE IFFERENCE
EDAC	Medical Open Frame	1 2	A = 12V / 300W B = 15V/ 300W ...	None(Blank): U-Frame (350W Max.) C : U-Frame with Cover (350W Max.) F : Enclosed Type with Fan (500W Max.)	12 = 12V 15 = 15V ...	00 = W/O FAN OF = With FAN

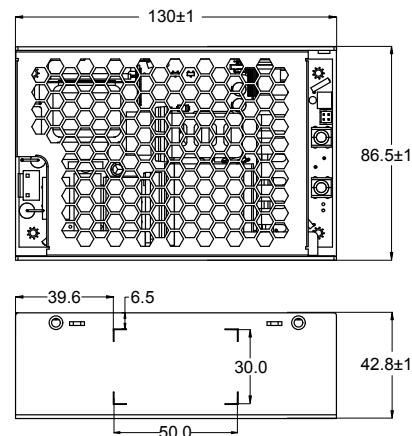
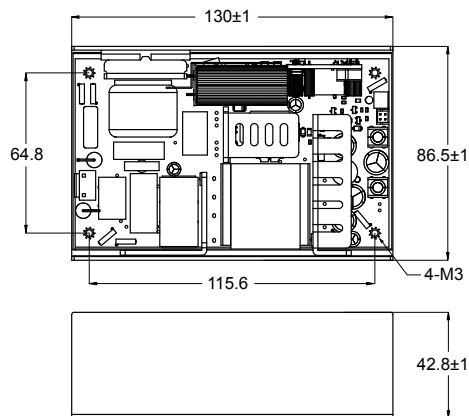
MODEL NAME		MAIN - POWER			STANDBY-POWER			TOTAL POWER
		Vo1(V)	Io1(A)	Wo1(W)	Vo2(V)	Io2(A)	Wo2(W)	
Single output	EPM1350A-1200	12	25	300				300
	EPM1350B-1500	15	20	300				300
	EPM1350C-1800	18	16.67	300				300
	EPM1350D-2400	24	12.5	300				300
	EPM1350E-2700	27	11.11	300				300
	EPM1350F-3600	36	8.33	300				300
	EPM1350G-4800	48	6.25	300				300
	EPM1350H-1200	12	27.5	330				330
	EPM1350J-1500	15	22	330				330
	EPM1350K-1800	18	19.44	350				350
	EPM1350L-2400	24	14.58	350				350
	EPM1350M-2700	27	12.96	350				350
	EPM1350N-3600	36	9.72	350				350
	EPM1350P-4800	48	7.29	350				350
Single output (With FAN)	EPM1350A-120F	12	33.33	400				400
	EPM1350B-150F	15	26.66	400				400
	EPM1350C-180F	18	22.22	400				400
	EPM1350D-240F	24	16.66	400				400
	EPM1350E-270F	27	14.81	400				400
	EPM1350F-360F	36	11.11	400				400
	EPM1350G-480F	48	8.33	400				400
	EPM1350H-120F	12	37.5	450				450
	EPM1350J-150F	15	30	450				450
	EPM1350K-180F	18	27.77	500				500
	EPM1350L-240F	24	20.83	500				500
	EPM1350M-270F	27	18.51	500				500
	EPM1350N-360F	36	13.88	500				500
	EPM1350P-480F	48	10.41	500				500
Dual output	EPM2350A-1200	12	25	300	5	0.6	3	303
	EPM2350B-1500	15	20	300	5	0.6	3	303
	EPM2350C-1800	18	16.67	300	5	0.6	3	303
	EPM2350D-2400	24	12.5	300	5	0.6	3	303
	EPM2350E-2700	27	11.11	300	5	0.6	3	303
	EPM2350F-3600	36	8.33	300	5	0.6	3	303
	EPM2350G-4800	48	6.25	300	5	0.6	3	303
	EPM2350H-1200	12	27.5	330	5	0.6	3	333
	EPM2350J-1500	15	22	330	5	0.6	3	333
	EPM2350K-1800	18	19.44	350	5	0.6	3	353
	EPM2350L-2400	24	14.58	350	5	0.6	3	353
	EPM2350M-2700	27	12.96	350	5	0.6	3	353
	EPM2350N-3600	36	9.72	350	5	0.6	3	353
	EPM2350P-4800	48	7.29	350	5	0.6	3	353

Medical / ITE Open Frame

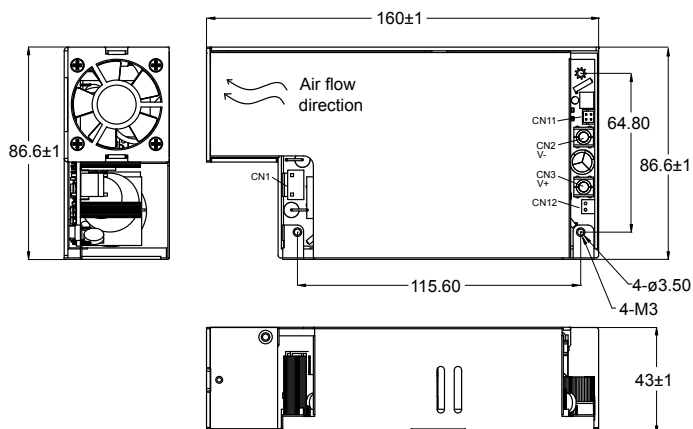
MODEL NAME		MAIN-POWER			STANDBY-POWER			TOTAL POWER
		Vo1(V)	Io1(A)	Wo1(W)	Vo2(V)	Io2(A)	Wo2(W)	
Dual output (With FAN)	EPM2350A-120F	12	33.33	400	5	1	5	405
	EPM2350B-150F	15	26.66	400	5	1	5	405
	EPM2350C-180F	18	22.22	400	5	1	5	405
	EPM2350D-240F	24	16.66	400	5	1	5	405
	EPM2350E-270F	27	14.81	400	5	1	5	405
	EPM2350F-360F	36	11.11	400	5	1	5	405
	EPM2350G-480F	48	8.33	400	5	1	5	405
	EPM2350H-120F	12	37.5	450	5	1	5	455
	EPM2350J-150F	15	30	450	5	1	5	455
	EPM2350K-180F	18	27.77	500	5	1	5	505
	EPM2350L-240F	24	20.83	500	5	1	5	505
	EPM2350M-270F	27	18.51	500	5	1	5	505
	EPM2350N-360F	36	13.88	500	5	1	5	505
	EPM2350P-480F	48	10.41	500	5	1	5	505

MECHANICAL

• Enclosed type



• Enclosed type with fan on the side



- Mechanical Size: 130L x 86.5W x 42.8H (mm)
160L x 86.6W x 43H (mm)
- AC Input Connector: JST B3P-VH or equivalent
- DC Output Connector: CN2 & CN3:
(M3.5 Pan HD screw in 2 positions; Torque to 8 lbs-in (90cNm) max.)
CN11: (TKP DH2L-2X2 or equivalent)
CN95: (TKP DH2L-2X2 or equivalent)

Pin1	Pin2	Pin3	Pin4
-Vs	+Vs	DC COM	PG
Pin1	Pin2	Pin3	Pin4
+5Vstb	DC COM	PS_ON	DC COM

- Weight: 580g



▶ Enclosed Switching Power Supply

- Designs based on ITE and Industrial Regulations
 - Fanless and Conduction-cooled Design
 - High Power up to 2500W
 - Multiple Protections
 - Slim and Low Profile
 - Customized Solutions Available

Enclosed AC/DC Switching Power Supply



Features

- Slim and Low Profile
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- Energy Efficiency $\geq 92\%$ ~95% depends on models
- MTBF > 50,000 hours
- Fanless and Conduction-cooled Design
- Withstand 300VAC surge input for 5 seconds
- Built-in Active PFC Function
- DC OK Relay Contact
- LED Indicator

EP1500 U - XX YY

- U:** Output range
XX: Specified output voltage, i.e. 12 is 12VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EP1500A	500.4W	12V	0A	41.7A	$\pm 0.5\%$	$\pm 0.5\%$	200mV
EP1500B	501W	15V	0A	33.4A	$\pm 0.5\%$	$\pm 0.5\%$	200mV
EP1500C	501.6W	24V	0A	20.9A	$\pm 0.5\%$	$\pm 0.5\%$	240mV
EP1500D	500.4W	36V	0A	13.9A	$\pm 0.5\%$	$\pm 0.5\%$	360mV
EP1500E	501.6W	48V	0A	10.45A	$\pm 0.5\%$	$\pm 0.5\%$	360mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 5A$
- Inrush Current: $\leq 60A/230VAC$
- Hold Up Time: $\geq 8.3ms$
- Turn On Time: $\leq 1s$

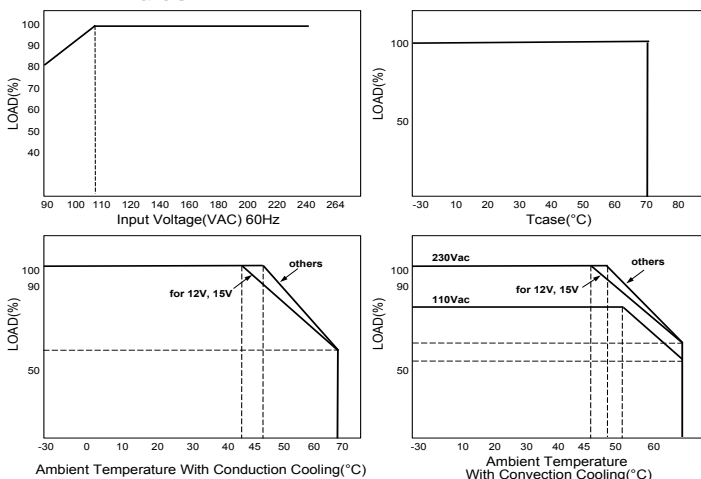
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

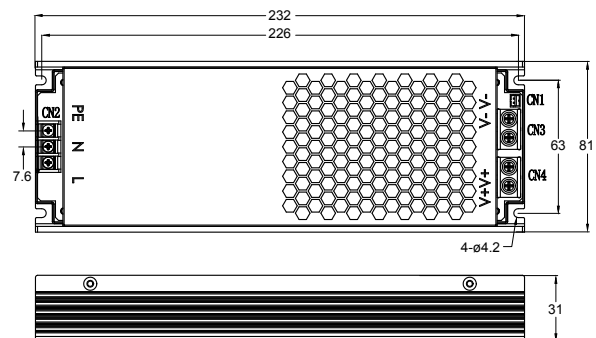
ENVIRONMENT

- Operating Temperature: -30 to 70°C
- Storage Temperature: -40 to 85°C
- Operating Humidity: 20% to 90 %
- Storage Humidity: 10% to 95 %

DERATING CURVE



MECHANICAL



- Mechanical Size: 232L x 81W x 31H (mm)
- Pin Assignment:
AC Input terminal(CN2): (DEGSON)DG28C-B-03P

Pin No.	Assignment
1	AC/L
2	AC/N
3	⏏

DC output terminal(CN3,CN4): EDAC terminal

Pin No.	Assignment
TB2	+V
TB3	-V

- Weight: 1000g

SAFETY

- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035)

Enclosed AC/DC Switching Power Supply



Features

- Slim and Low Profile
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- Energy Efficiency $\geq 93\%$ ~95% depends on models
- MTBF > 100,000 hours
- Fanless and Conduction-cooled Design
- Withstand 300VAC Surge Input for 5 seconds
- Built-in Active PFC Function
- DC OK Active Signal
- LED Indicator

EP1800 U - XX YY

- U:** Output range
XX: Specified output voltage, i.e. 12 is 12VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EP1800A	750W	12V	0A	62.5A	$\pm 0.5\%$	$\pm 0.5\%$	150mV
EP1800B	800W	24V	0A	33.33A	$\pm 0.5\%$	$\pm 0.5\%$	200mV
EP1800C	800W	36V	0A	22.22A	$\pm 0.5\%$	$\pm 0.5\%$	250mV
EP1800D	800W	48V	0A	16.66A	$\pm 0.5\%$	$\pm 0.5\%$	250mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range 100 to 240VAC
- Frequency 50 to 60Hz
- Input Current $\leq 8.2A$
- Inrush Current $\leq 40A/230VAC$
- Hold Up Time $\geq 8.3ms$
- Turn On Time $\leq 3s$

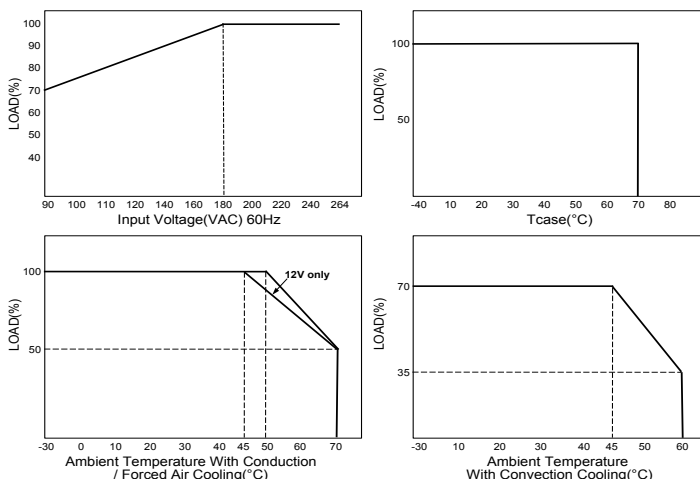
PROTECTION

- Short Circuit Protection Auto Recovery
- Over Circuit Protection Auto Recovery
- Over Voltage Protection Latch-off
- Over Temperature Protection Auto Recovery

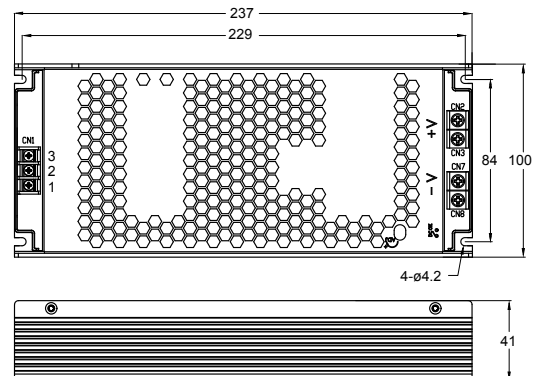
ENVIRONMENT

- Operating Temperature -30 to 70°C
- Storage Temperature -40 to 85°C
- Operating Humidity 20% to 90 %
- Storage Humidity 10% to 95 %

DERATING CURVE



MECHANICAL



- Mechanical Size: 237L x 100W x 41H (mm)
 - Pin Assignment:
AC Input Terminal (CN1): DECAT21 or equivalent
- | Pin No. | Assignment |
|---------|------------|
| 1 | AC/L |
| 2 | AC/N |
| 3 | $\perp$ |
- DC Output Terminal (CN2,CN3 & CN7,CN8): EDAC Terminal
- | Pin No. | Assignment |
|---------|------------|
| CN2,CN3 | +V |
| CN7,CN8 | -V |
- Weight: 1400g

SAFETY

- Certified for whole series: LVD(EN 62368-1), CE EMC(EN 55032+EN 55035), FCC Part 15B
- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1

Enclosed AC/DC Switching Power Supply



Features

- Slim and Low Profile
- Protections:
Short circuit / Over voltage / Over current
Over temperature (optional)
- Energy Efficiency $\geq 93\%$ ~95% depends on models
- MTBF > 50,000 hours
- Fanless and Conduction-cooled Design
- Withstand 300VAC Surge Input for 5 seconds
- Built-in Active PFC Function
- Built-in Remote ON-OFF Control
- DC OK Active Signal
- LED Indicator

EP11000 U - XX YY

- U:** Output range
XX: Specified output voltage, i.e. 12 is 12VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EP11000A	960W	12V	0A	80A	$\pm 0.5\%$	$\pm 0.5\%$	150mV
EP11000B	1008W	24V	0A	42A	$\pm 0.5\%$	$\pm 0.5\%$	240mV
EP11000C	1008W	36V	0A	28A	$\pm 0.5\%$	$\pm 0.5\%$	240mV
EP11000D	1008W	48V	0A	21A	$\pm 0.5\%$	$\pm 0.5\%$	300mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range 100 to 240VAC
- Frequency 50 to 60Hz
- Input Current $\leq 10A$
- Inrush Current $\leq 40A/230VAC$
- Hold Up Time $\geq 8.3ms$
- Turn On Time $\leq 1s$

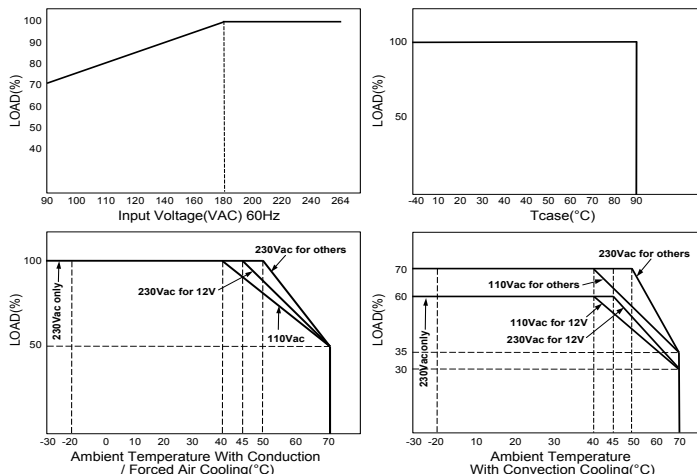
PROTECTION

- Short Circuit Protection Auto Recovery
- Over Current Protection Auto Recovery
- Over Voltage Protection Latch-off
- Over Temperature Protection Auto Recovery

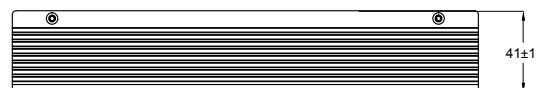
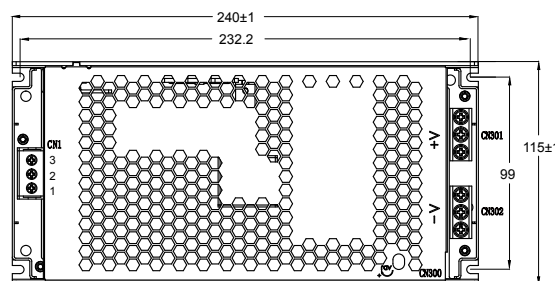
ENVIRONMENT

- Operating Temperature -30 to 70°C
- Storage Temperature -40 to 85°C
- Operating Humidity 20% to 90 %
- Storage Humidity 10% to 95 %

DERATING CURVE



MECHANICAL



- Mechanical Size: 240L x 115W x 41H (mm)
 - Pin Assignment:
AC Input Terminal (CN1): T42-ES11-03 or equivalent
- | Pin No. | Assignment |
|---------|------------|
| 1 | AC/L |
| 2 | AC/N |
| 3 | ⊥ |
- DC Output Terminal (CN301 & CN302): EDAC Terminal
- | Pin No. | Assignment |
|---------|------------|
| CN301 | +V |
| CN302 | -V |

- Weight: 1800g

SAFETY

- Certified for whole series: LVD(EN 62368-1), CE EMC(EN 55032+EN 55035), FCC Part 15B
- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1

Enclosed AC/DC Switching Power Supply



Features

- Slim and Low Profile
- Protections:
Short circuit / Over voltage / Over current
Over temperature (optional)
- Energy Efficiency $\geq 94\%$ ~95% depends on models
- MTBF > 50,000 hours
- Fanless and Conduction-cooled Design
- Built-in Active PFC Function
- Built-in Remote ON-OFF Control
- DC OK Active Signal
- LED Indicator

EP11500 U - XX YY

- U:** Output range
XX: Specified output voltage, i.e. 24 is 24VDC
YY: Differential segmentation

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EP11500A	1500W	24V	0A	62.5A	$\pm 0.5\%$	$\pm 0.5\%$	240mV
EP11500B	1512W	48V	0A	31.5A	$\pm 0.5\%$	$\pm 0.5\%$	350mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 3 : Max. Power (W) $\geq V_o \times I_o$

INPUT

- Input Range: 100 to 240VAC
- Frequency: 50 to 60Hz
- Input Current: $\leq 12A$
- Inrush Current: $\leq 60A/230VAC$
- Hold Up Time: $\geq 10ms$
- Turn On Time: $\leq 2s$

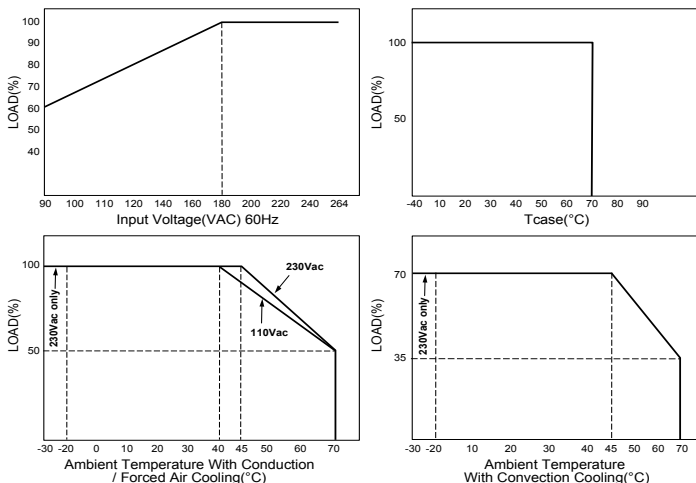
PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Circuit Protection: Auto Recovery
- Over Voltage Protection: Latch-off
- Over Temperature Protection: Auto Recovery

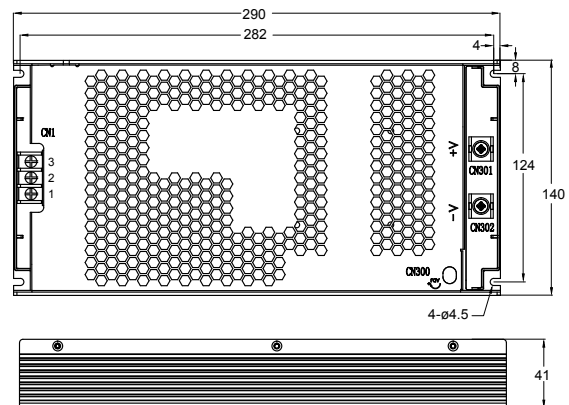
ENVIRONMENT

- Operating Temperature: -30 to 70°C
- Storage Temperature: -40 to 85°C
- Operating Humidity: 20% to 90 %
- Storage Humidity: 10% to 95 %

DERATING CURVE



MECHANICAL



- Mechanical Size: 290L x 140W x 41H (mm)

- Pin Assignment:

AC Input Terminal (CN1): DECAT25

Pin No.	Assignment
1	AC/L
2	AC/N
3	$\perp$

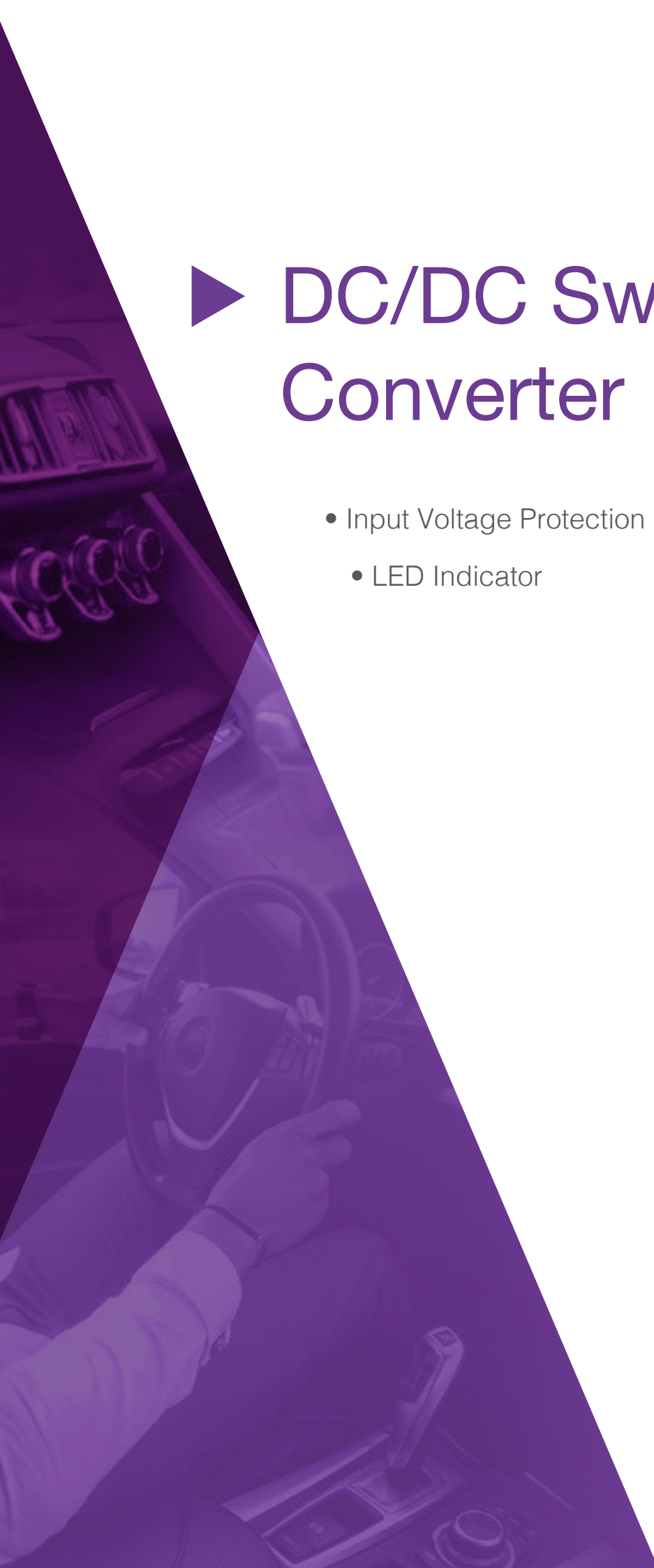
DC Output Terminal (CN301 & CN302): EDAC Terminal

Pin No.	Assignment
CN301	+V
CN302	-V

- Weight: 2600g

SAFETY

- Certified for assigned models: LVD(EN 62368-1), CE EMC(EN 55032+EN 55035), FCC Part 15B
- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B



▶ DC/DC Switching Converter

- Input Voltage Protection
- LED Indicator

DC/DC Switching Converter



Features

- Input Voltage Protection
- LED Indicator
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- Efficiency 85% Min. Nominal Input
- MTBF > 50,000 hours

ED1032 X - vv PP

- X:** Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
 or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (V _{dc})	OUTPUT VOLTAGE (V _o)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (I _o)	MAX. (I _o)			
ED1032A	20W	11~36V	5V	0A	4A	± 5%	± 1%	150mV
ED1032B	36W	11~36V	12V	0A	3A	± 5%	± 1%	180mV
ED1032C	40W	11~36V	15V	0A	2.66A	± 5%	± 1%	180mV
ED1032D	50W	11~36V	19V	0A	2.63A	± 5%	± 1%	300mV
ED1032E	50W	11~36V	24V	0A	2.08A	± 5%	± 1%	300mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
 3 : Max. Power (W) ≥ V_o × I_o

INPUT

- Input Range 11 to 36 VDC
- Input Current 6A Max.
- Turn On Time ≤ 3s

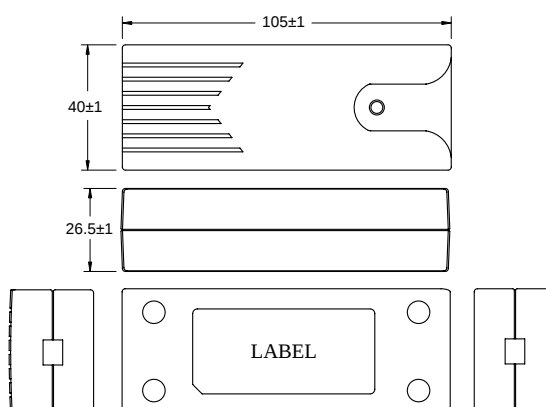
OUTPUT

- Short Circuit Protection Latch-off
- Over Voltage Protection Latch-off
- Over Current Protection Latch-off
- Over Temperature Protection Auto Recovery

ENVIRONMENT

- Operating Temperature -20 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

MECHANICAL



- Case Size: 105L x 40W x 26.5H (mm)
- DC Input: 600mm cable + cigarette plug
- Weight: 220g

SAFETY

- Complied with CE

DC/DC Switching Converter



Features

- Input Voltage Protection
- LED Indicator
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- Efficiency 83% Min. Nominal Input
- MTBF > 50,000 hours

ED1046 X - vv PP

X: Output range

vv: Specified output voltage, i.e. 12 is 12VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (V _{dc})	OUTPUT VOLTAGE (V _o)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (I _o)	MAX. (I _o)			
ED1046A	45W	11~32V	20V	0A	2.25A	± 5%	± 1%	360mV
ED1046B	45W	11~32V	15V	0A	3A	± 5%	± 1%	300mV
ED1046C	36W	11~32V	12V	0A	3A	± 5%	± 1%	240mV

NOTE:

1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.

2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.

3 : Max. Power (W) ≥ V_o x I_o

INPUT

- Input Range 11 to 32 VDC
- Input Current 7A Max.
- Turn On Time ≤ 3s

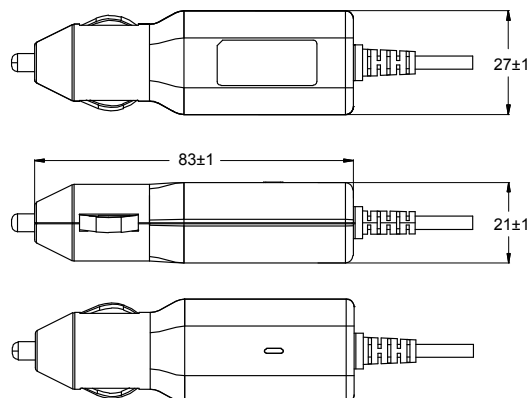
OUTPUT

- Short Circuit Protection Auto Recovery
- Over Voltage Protection Auto Recovery
- Over Current Protection Auto Recovery
- Over Temperature Protection Auto Recovery

ENVIRONMENT

- Operating Temperature -20 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

MECHANICAL



- Case Size: 83L x 27W x 21H (mm)
- Weight: 40g

SAFETY

- Complied with FCC, CE(EMC+LVD EN62368-1)

DC/DC Switching Converter



Features

- Input Voltage Protection
- LED Indicator
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- Efficiency 80% Min. Nominal Input
- MTBF > 50,000 hours

ED1058 X - vv PP

- X:** Output range
vv: Specified output voltage, i.e. 12 is 12VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
ED1058	41W	11~36V	10.25V	0A	4A	± 5%	± 1%	200mV
ED1058A	72W	11~36V	5~12V	0A	6A	± 5%	± 1%	240mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3 : Max. Power (W) ≥ Vo x Io

INPUT

- Input Range 11 to 36 VDC
- Input Current 7A Max.
- Turn On Time ≤ 3s

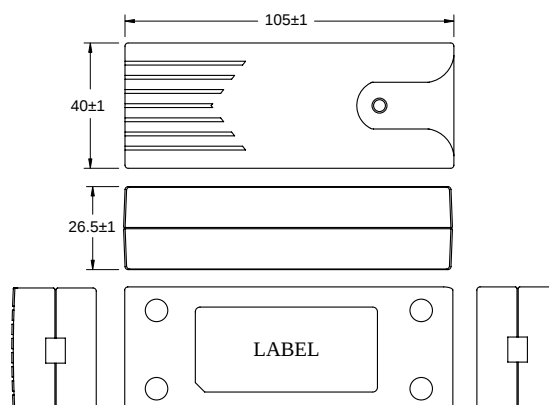
OUTPUT

- Short Circuit Protection Auto Recovery
- Over Voltage Protection Latch-off
- Over Current Protection Auto Recovery
- Over Temperature Protection Auto Recovery

ENVIRONMENT

- Operating Temperature -20 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

MECHANICAL



- Case Size: 105L x 40W x 26.5H (mm)
- DC Input: 600mm cable + cigarette plug
- Weight: 220g

SAFETY

- Complied with FCC, CE(EMC+LVD EN62368-1)

DC/DC Switching Converter



Features

- Input Voltage Protection
- LED Indicator
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- Efficiency 87% Min. Nominal Input
- MTBF > 50,000 hours

ED1062 - vv PP

vv: Specified output voltage, i.e. 12 is 12VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
ED1062	90W	11~36V	12~24V	0A	6A	± 5%	± 1%	300mV

NOTE:

1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.

2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.

3 : Max. Power (W) ≥ Vo x Io

INPUT

- Input Range 11 to 36 VDC
- Input Current 10A Max.
- Turn On Time ≤ 3s

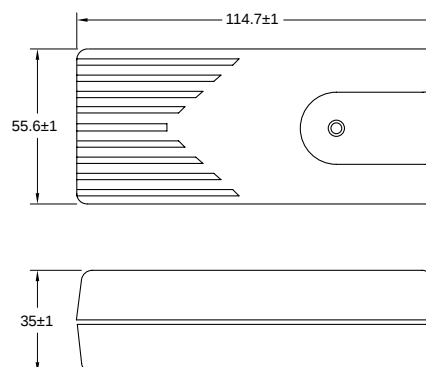
OUTPUT

- Short Circuit Protection Latch-off
- Over Voltage Protection Latch-off
- Over Current Protection Latch-off
- Over Temperature Protection Auto Recovery

ENVIRONMENT

- Operating Temperature -20 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

MECHANICAL



- Case Size: 114.7L x 55.6W x 35H (mm)
- DC Input: 600mm cable + cigarette plug
- Weight: 300g

SAFETY

- Complied with UL 62368-1, CAN/CSA C22.2 No. 62368-1, CB IEC 62368-1, EN 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035)

DC/DC Switching Converter



Features

- Input Voltage Protection
- LED Indicator
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- Efficiency 85% Min. Nominal Input
- MTBF > 50,000 hours

ED1075 - vv PP

vv: Specified output voltage, i.e. 24 is 24VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vo)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (Io)	MAX. (Io)			
ED1075	75W	11~16V	15~24V	0A	4A	± 5%	± 1%	200mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
- 3 : Max. Power (W) ≥ Vo x Io

INPUT

- Input Range 11 to 16 VDC
- Input Current 7A Max.
- Turn On Time ≤ 3s

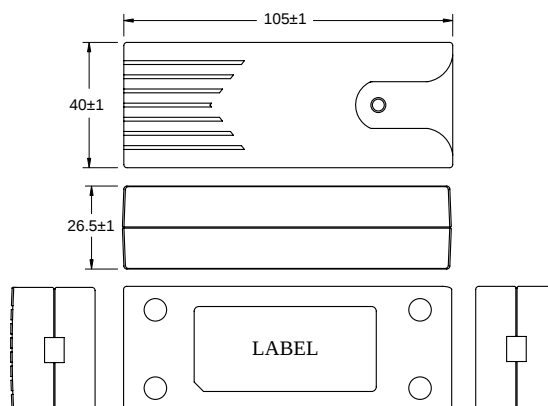
OUTPUT

- Short Circuit Protection Latch-off
- Over Voltage Protection Auto Recovery
- Over Current Protection Latch-off
- Over Temperature Protection Auto Recovery

ENVIRONMENT

- Operating Temperature -20 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

MECHANICAL



- Case Size: 105L x 40W x 26.5H (mm)
- DC Input : 600mm cable + cigarette plug
- Weight: 220g

SAFETY

- Complied with FCC, CE

DC/DC Switching Converter



Features

- Input Voltage Protection
- LED Indicator
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature
- Efficiency 86% Min. Nominal Input
- MTBF > 50,000 hours

ED1096 X - vv PP

X: Output range

vv: Specified output voltage, i.e. 24 is 24VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (V _{dc})	OUTPUT VOLTAGE (V _o)	LOAD		LOAD REGULATION	RIPPLE & NOISE
				MIN. (I _o)	MAX. (I _o)		
ED1096A	90W	11~16V	16V	0A	5.62A	± 5%	250mV
ED1096B	90W	11~16V	19V	0A	4.73A	± 5%	250mV
ED1096C	90W	11~16V	20V	0A	4.5A	± 5%	250mV
ED1096D	90W	11~16V	24V	0A	3.75A	± 5%	250mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
- 3 : Max. Power (W) ≥ V_o x I_o

INPUT

- Input Range: 11 to 16 VDC
- Input Current: 10A Max.
- Turn On Time: ≤ 3s

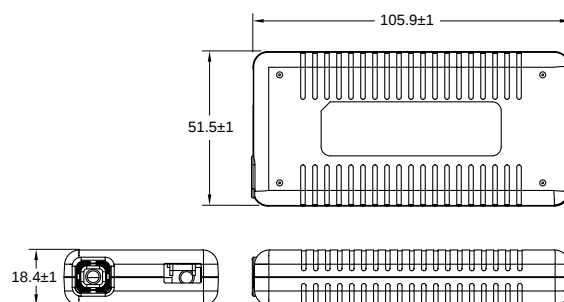
OUTPUT

- Short Circuit Protection: Latch-off
- Over Voltage Protection: Latch-off
- Over Current Protection: Latch-off
- Over Temperature Protection: Auto Recovery

ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

MECHANICAL



- Case Size: 105.9L x 51.5W x 18.4H (mm)
- DC Input: 600mm cable + cigarette plug
- Weight: 220g

SAFETY

- Complied with FCC, CE(EMC+LVD EN62368-1)

DC/DC Switching Converter



Features

- Dual Output
- Input Voltage Protection
- LED Indicator
- Protections:
 - Short circuit / Over voltage / Over current
 - Over temperature
- Efficiency 87% Min. Nominal Input
- MTBF > 50,000 hours

ED1097 X - vv PP

- X:** Output range
vv: Specified output voltage, i.e. 20 is 20VDC
PP: DC plug type, i.e. Code 01 for 5.5x2.1mm or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (V _{dc})	OUTPUT VOLTAGE (V _o)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (I _o)	MAX. (I _o)			
ED1097	90W	11~16V	19~20V	0A	4.61A	± 5%	± 1%	290mV
			5.1V	0A	2.1A	± 5%	± 1%	150mV
ED1097A	90W	11~16V	19.5V	0A	4.61A	± 5%	± 1%	290mV
			5.1V	0A	2.1A	± 5%	± 1%	150mV

NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
 2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
 3 : Max. Power (W) ≥ V_o × I_o

INPUT

- Input Range: 11 to 16 VDC
- Input Current: 10A Max.
- Turn On Time: ≤ 3s

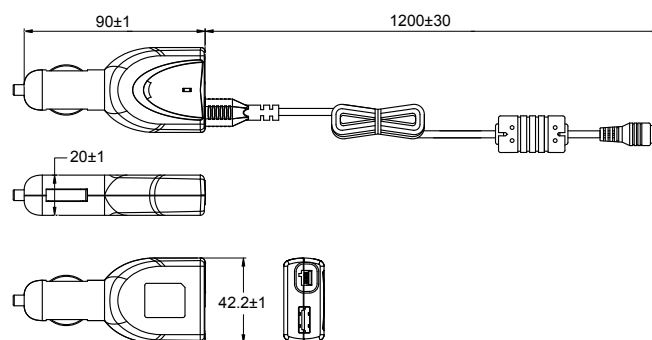
OUTPUT

- Short Circuit Protection: Auto Recovery
- Over Voltage Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Temperature Protection: Auto Recovery

ENVIRONMENT

- Operating Temperature: -20 to 40°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90%
- Storage Humidity: 5% to 95%

MECHANICAL



- Case Size: 90L x 42.2W x 20H (mm)
- Weight: 55g

SAFETY

- Complied with FCC, CE(EMC+LVD EN62368-1)

DC/DC Switching Converter



Features

- Input Voltage Protection
- LED Indicator
- Protections:
Short circuit / Over voltage / Over current
Over temperature
- Efficiency 87% Min. Nominal Input
- MTBF > 50,000 hours

ED1010 X - vv PP

X: Output range

vv: Specified output voltage, i.e. 24 is 24VDC

PP: DC plug type, i.e. Code 01 for 5.5x2.1mm
or other options (refer to the appendix page)

General Specification

OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	INPUT VOLTAGE (V _{dc})	OUTPUT VOLTAGE (V _o)	LOAD		LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
				MIN. (I _o)	MAX. (I _o)			
ED1010A	120W	12~16V	16V	0A	7A	± 5%	± 2%	300mV
ED1010B	120W	12~16V	18V	0A	6.7A	± 5%	± 2%	300mV
ED1010C	120W	12~16V	19V	0A	6.3A	± 5%	± 2%	300mV
ED1010D	120W	12~16V	20V	0A	6A	± 5%	± 2%	300mV
ED1010E	120W	12~16V	24V	0A	5A	± 5%	± 2%	300mV

NOTE:

1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.

2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.

3 : Max. Power (W) ≥ V_o x I_o

INPUT

- Input Range 12 to 16 VDC
- Input Current 12A Max.
- Turn On Time ≤ 3s

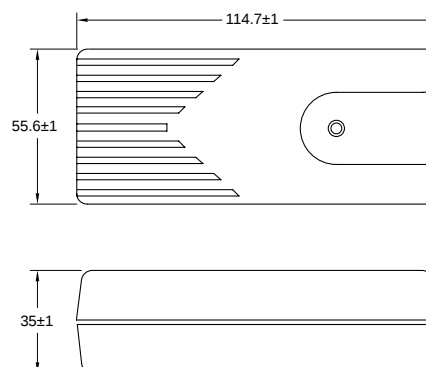
OUTPUT

- Short Circuit Protection Latch-off
- Over Voltage Protection Latch-off
- Over Current Protection Latch-off
- Over Temperature Protection Auto Recovery

ENVIRONMENT

- Operating Temperature -20 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90%
- Storage Humidity 5% to 95%

MECHANICAL



- Case Size: 114.7L x 55.6W x 35H (mm)
- DC Input: 600mm cable + cigarette plug
- Weight: 300g

SAFETY

- Complied with UL 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC
- Certified for assigned models: KC

Appendix: Plug List of Output Cable

CODE	PLUG TYPE	SPECIFICATION	OUTLINE / DRAWING
00	Strip & Tined	NC	
01	Barrel Type	5.5x2.1	
02		5.5x2.5	
03		4.75x1.7	
04		4.0x1.7	
05		3.5x1.35	
06		2.35x0.7	
07		6.3x3.0	
08		6.5x1.4	
11	Barrel Type Right Angle	5.5x2.1	
12		5.5x2.5	
13		4.75x1.7	
14		4.0x1.7	
15		3.5x1.35	
16		2.35x0.7	
17		6.3x3.0	
18		6.5x1.4	
21	Din (male)	3Pin	
22		4Pin	
23		5Pin(180)	
24		5Pin(240)	
25		6Pin	
26		7Pin	
27		8Pin	

Appendix: Plug List of Output Cable

CODE	PLUG TYPE	SPECIFICATION	OUTLINE / DRAWING
31	Mini-Din (male)	3Pin	
32		4Pin	
33		5Pin	
34		6Pin	
35		7Pin	
36		8Pin	
41	Power-Mini Din (male)	3Pin (Molding)	
42		4Pin (Molding)	
45		3Pin (Assembly/Lock Type)	
46		4Pin (Assembly/Lock Type)	
61	Interchangeable Connector	2Pin	
62		2Pin	
63		3Pin	
71	Switchcraft Locking Type	A:5.5, B:2.5 C:0.375"(9.52mm)	
72		A:5.5, B:2.5 C:0.475"(12.06mm)	
73		A:5.5, B:2.1 C:0.375"(9.52mm)	
74		A:5.5, B:2.1 C:0.475"(12.06mm)	
81	DC Jack with Screw	A:5.5, B:2.1, C:7.5	
82		A:5.5, B:2.1, C:10.1	
91	Cigarette Lighter		
92	USB Type C		

Milestones

1998

- EDAC POWER ELECTRONICS CO., LTD. (Taiwan Headquarters) established.
- Manufacturing of ITE switching power supplies and DC/DC converters started (OEM).

2007

- Management Information System (MIS) implemented.

2009

- ISO9001 & ISO14001 certifications (TUV) acquired for SuZhou factory.
- Enterprise Resource Planning System (ERP) implemented.
- Medical power supply EM series & Battery Chargers launched.

2002

- First manufacturing plant established in SuZhou, China.

2005

- SuZhou factory is qualified as Rank A class Enterprise by China customs.

2013

- First Industrial & Medical open frame series launched.

2016

- Second manufacturing plant established in DongGuan, China.

2017

- ISO9001 & ISO14001 certifications (TUV) acquired for DongGuan factory.

2019

- Sedex (Supplier Ethical Data Exchange) Qualification acquired.

2020

- Third manufacturing plant established in Taipei, Taiwan.
- ISO9001 & ISO14001 certifications (TUV) acquired for Taiwan factory.
- EMC testing equipment invested in Taiwan Headquarters.
- ITE Switching power supplies upgraded to IEC/EN/UL62368 regulation.

2023

- Developed Enclosed power supply up to 2500Watts.

2024

- ISO 14064 certification (TUV) acquired for SuZhou and Taiwan factories.
- ISO 14067 certification (TUV) acquired for SuZhou and Taiwan factories.
- Medical GaN Adaptor series launched.

2021

- Extended product line to LED power supply.
- Entered Lithium-ion battery charger industry.

2022

- Open frame power supplies 150W/200W/500W launched.

2025

- ISO 13485 certification (SGS) acquired for SuZhou factory.
- Developed Medical GaN PD Charger.
- Expanded Taiwan Headquarters and strengthened R&D capabilities.
- Completed digitalization and automation upgrade of SuZhou factory.

SAFETY APPROVALS

EDAC's products can meet various safety approvals as quality assurance.

ITE/ICT 62368

Medical 60601

**CB** **FC** **CE**

**CB** **FC** **CE**

Energy Saving


NRCan (Canada)


DOE Level VI (USA)

CoC Tier 2
(Europe)

Others


CCC (China)


BSMI (Taiwan)


PSE (Japan)


RCM (Australia)


KCC (Korea)


UKCA (United Kingdom)


BIS (India)


EAC (Russia)


PSB (Singapore)


S-Mark (Argentina)


NOM (Mexico)

ISO



SuZhou ISO13485
(Certified in 2025)



Taipei/SuZhou ISO 14067
(Certified in 2024)



Taipei/SuZhou ISO 14064
(Certified in 2024)



Taipei/SuZhou ISO 9001
(Certified in 2024)



Taipei/SuZhou ISO 14001
(Certified in 2024)



DongGuan ISO 9001
(Certified in 2024)



DongGuan ISO 14001
(Certified in 2024)

Memo

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EDAC Corporate Culture

E

Enthusiasm

D

Dedication

A

Advancement

C

Consistency



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