

EDACPOWER



Power on your future

Medical

Adapter | USB PD | Open Frame



CB FC CE



ISO9001



ISO14001



ISO14064



ISO13485

Higher Efficiency | Compact Size | Enhanced Reliability

Unleashing the Potential of GaN Technology



EM1107 Series



EM1180 Series



EM1251 Series



EM1331 Series



EM1420 Series



EM1450 Series



Advantages

- **Higher Efficiency:**

GaN devices promises higher power conversion efficiency by its lower resistance and faster switching speeds. This reduces power loss, decreases heat generation, and increases overall system efficiency.

- **Compact Size:**

GaN technology allow for the design of smaller and lighter power supplies without compromising power output, result in higher power density.

- **Enhanced Reliability:**

GaN technology offers superior thermal management, enabling power supplies to operate at higher temperatures. This improved thermal performance enhances the reliability of power supply solutions.

Safety Approvals

These powers fulfill 2xMOPP, and comply with safety standards:

- 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)
- FCC Part 15B

Efficiency
up to 95%

Compact
Size

Enhanced
Reliability

GaN Technology

Gallium Nitride (GaN) is a wide-bandgap semiconductor providing efficient, compact, and reliable solutions for a wide range of applications, including ICT, Medical, and Industrial industries.

With a unique crystalline structure, GaN exhibits superior properties compared to traditional silicon MOSFETs, including higher electron mobility and thermal conductivity. GaN technology enables power supply designs to be smaller, more efficient, and contribute to energy-saving.

EDAC POWER proudly introduces the GaN-based Medical power solutions: 48W to 500W.

AC/DC Medical GaN Adapter | 48~500W

	Series	Output Power	Output Voltage	Size (mm)	More Details
	EM1067S	48~65W	12~56V	75L x 75W x 30H	
	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	
	EM1331	230~330W	12~56V	200L x 100W x 36H	
	EM1420	330~420W	12~56V	200L x 100W x 36H	
	EM1450	450~500W	19~56V	260L x 95W x 43H	

Medical GaN PD Charger / Open Frame

· IEC/EN/UL62368 & 60601 (ed.3.2)

	Series	Output Power	Output Voltage	Size (mm)	More Details
	EUM106A	45/65W	5/9/12/15/20V	58L x 53.2W x 31.5H	
	EUM110A	85/100W	5/9/12/15/20V	136L x 68W x 25.4H	
	EUM114A	140W	5/9/12/15/20/28V	137L x 59W x 34H	

	Series	Numbers Of Outputs	Output Power			Output Voltage	Size (inch)	More Details
			Convection	Peak(10s)	Forced air			
	EPM104A	Single	30~48W	-	-	12~56V	2.85" x 1.72"	
	EPM106A	Single	45~65W	-	-	12~56V	3" x 2"	
	EPM1122	Single	100~120W	130~150W	130~150W (10CFM)	12/15/24/27/36/48V	3" x 2"	
	EPM1153	Single	130~150W	-	170~200W (10CFM)	12/15/24/27/48V	4" x 2"	
	EPM118A	Single	150~180W	450W (3s)	300W (10.98CFM)	12/15/18/24/27/30/36/48/54V	4" x 2"	
 	EPMV350	Single	300~350W	-	400~500W (25CFM)	12/15/18/24/27/36/48V	5" x 3"	
		Dual	300~350W	-		12/15/18/24/27/36/48V 5V		
	EPM140A	Single	360~400W	-	600W (25CFM)	12/15/18/24/27/36/48/54V	5" x 3"	Coming Soon

AC/DC Medical Adapter

	Series	Output Power	Output Voltage	Size (mm)	More Details
	EM1005	4.5~6W	5~12V	54L x 50W x 36H	
	EM1005	4.5~6W	5~12V	57L x 39W x 34H	
	EM1012	12W	5~24V	54L x 50W x 36H	
	EM1012	12W	5~24V	57L x 39W x 34H	
	EM1019	15~24W	5~48V	66.5L x 64W x 26H	
	EM1019	15~24W	5~48V	62.5L x 41W x 34H	
	EM1024	16~36W	5~48V	98L x 45.5W x 31.2H	
	EM1024	16~36W	5~48V	76L x 43W x 30H	
	EM1024	16~36W	5~48V	73.6L x 42.9W x 32.5H	
	EM1068	25~72W	5~56V	113L x 49W x 35H	
	EM1095	80~100W	12~56V	137L x 59W x 34H	
	EM1101	80~130W	12~56V	137L x 59W x 34H	



Surgical Light



Dental Device



Medical Tablet



Ventilator



Medical Battery
System



Air Compressor
System



Alarm System



Medical PTZ
Camera



Hospital Bed
Massager



Medical Box PC



Diagnostic
Platform



Physiotherapy
Instrument

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