



POWER SUPPLY SPECIFICATION

MODEL NO.	MW MA06EU-H	ISSUE DATE	2022.03.25
CUSTOMER	Minwa standard	REF. NO.	

INPUT

INPUT VOLTAGE	100 to 240 Vac
INPUT FREQUENCY	60 / 50 Hz
NO LOAD POWER CONSUMPTION (@230V)	< 0.1W
INPUT FULL LOAD CURRENT (at 100 Vac)	155m A

OUTPUT

OUTPUT VOLTAGE (DC)	13.5/ 15/18/20/21/24/ 30V
OUTPUT CURRENT	13.5V -0.53A; 15V- 0.48A;18V- 0.4A;20/21V -0.34A; 24V -0.3A;30V 0.24A

OVERALL PERFORMANCE

TOTAL OUTPUT POWER	7.2W Max
AVERAGE ACTIVE EFFICIENCY	Min 79.970% (for 13.5V); Min80.008% (for 15.0V); Min 80.008% (for 18.0V); Min 79.658% (for 20.0V); Min 79.957% (for 21.0V); Min 80.008% (for 24.0V); Min 80.008% (for 30.0V)
EFFICIENCY AT LOW LOAD (10%)	Min 69.9% (for 13.5V); Min 70.0% (for 15.0V); Min 70.0% (for 18.0V); Min 69.6% (for 20.0V); Min 69.9% (for21.0V); Min 70.0% (for 24.0V); Min 70.0% (for 30.0V)

PROTECTION

■ OVER CURRENT PROTECTION	■ SHORT CIRCUIT PROTECTION
■ OVER VOLTAGE PROTECTION	■ L.P.S (Limits for power source)
■ OVER POWER PROTECTION	□ AUTOMATIC THERMAL PROTECTION

HI-POT

INPUT TO OUTPUT	3000Vac 5 mA 50 Hz
INPUT TO CASE	3000Vac 5 mA 50Hz
OUTPUT TO CASE	500 Vac 5 mA 50Hz
ISOLATION RESISTANCE	100 M Ohms I/P-O/P I/P/Enclosure
APPLIANCE	Class II

ENVIRONMENTAL

OPERATING TEMPERATURE	0 °C to 25 °C
STORGE TEMPERATURE	-20 °C to 60 °C
OPERATING HUMIDITY	20%-85% RH. NON-CONDENSING
STORGE HUMIDITY	10%-90% RH. NON-CONDENSING

SAFFTY STANDARDS

SAFETY STANDARDS	EN 61558-2-16:2009+A1:2013 EN IEC 61558-1:2019
EMC STANDARDS	EN55032:2015/A1:2020; EN55035:2017/A1:2020; EN IEC 61000-3-2:2019/A1:2021; EN 61000-3-3:2013/A2:2021;

RELIABILITY



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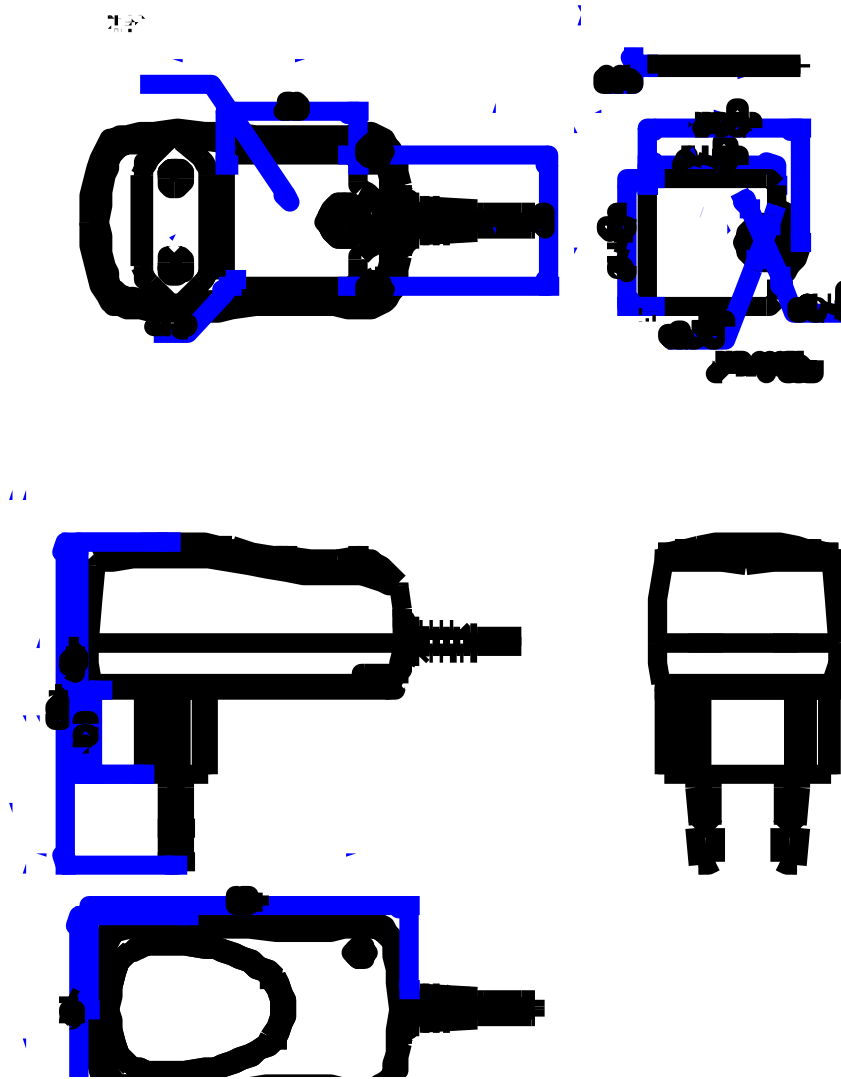
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MTBF	30000 Hours min
BURN-IN	4 Hours 25°C, full load, 220Vac, 50Hz

MECHANICAL SPECIFICATION

DIMENSION	68.4mm(L)*38.7 mm(W)* 31.1mm(H) (excluded plug) 68.4mm(L)*38.7 mm(W)* 68.4mm(H) (included plug)
WEIGHT	90g MAX exclude packing
INPUT PLUG	Direct plug-in EU type
OUTPUT CORD	PVC, Length 1.8m
OUTPUT PLUG	Depends on client request

Appearance



APPROVE:

AUDITING:

CONNER: