



POWER SUPPLY SPECIFICATION

MODEL NO.	MW MD25EU	ISSUE DATE	2019-07-02 (Revised: 2020-02-13)
CUSTOMER	Minwa	REF. NO.	

INPUT

INPUT VOLTAGE	100 to 240 Vac
INPUT FREQUENCY	60 / 50 Hz
NO LOAD POWER CONSUMPTION	<0.1W
INPUT FULL LOAD CURRENT (at 100 Vac)	520 m A

OUTPUT

OUTPUT VOLTAGE (DC)	3.0 / 4.5 / 5.0 / 6.0 / 7.5 / 9.0 / 12.0V
OUTPUT CURRENT	2.25A

OVERALL PERFORMANCE

TOTAL OUTPUT POWER	27.0W Max
NO LOAD POWER CONSUMPTION	< 0.1W
AVERAGE ACTIVE EFFICIENCY	Min 79.6% (for 3.0V); Min 78.7% (for 4.5V); Min 79.5% (for 5.0V); Min 83.5% (for 6.0V); Min 84.7% (for 7.5V); Min 85.5% (for 9.0V); Min 86.6% (for 12.0V)
EFFICIENCY AT LOW LOAD (10%)	Min 75.0%

PROTECTION

<input checked="" type="checkbox"/> OVER CURRENT PROTECTION	<input checked="" type="checkbox"/> SHORT CIRCUIT PROTECTION
<input checked="" type="checkbox"/> OVER VOLTAGE PROTECTION	<input checked="" type="checkbox"/> L.P.S (Limits for power source)
<input checked="" type="checkbox"/> OVER POWER PROTECTION	<input type="checkbox"/> AUTOMATIC THERMAL PROTECTION

HI-POT

INPUT TO OUTPUT	3000Vac 5 mA 50 Hz
INPUT TO CASE	3000Vac 5 mA 5Hz
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 62368-1:2014+ A11:2017
EMC STANDARDS	EN 61204-3:2000

RELIABILITY

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

MECHANICAL SPECIFICATION

DIMEMSION	87.5 mm(L) x 51.0 mm(W) x 40.1 mm(H) (exclude plug) 87.5 mm(L) x 51.0 mm(W) x 77.4 mm(H) (include plug)
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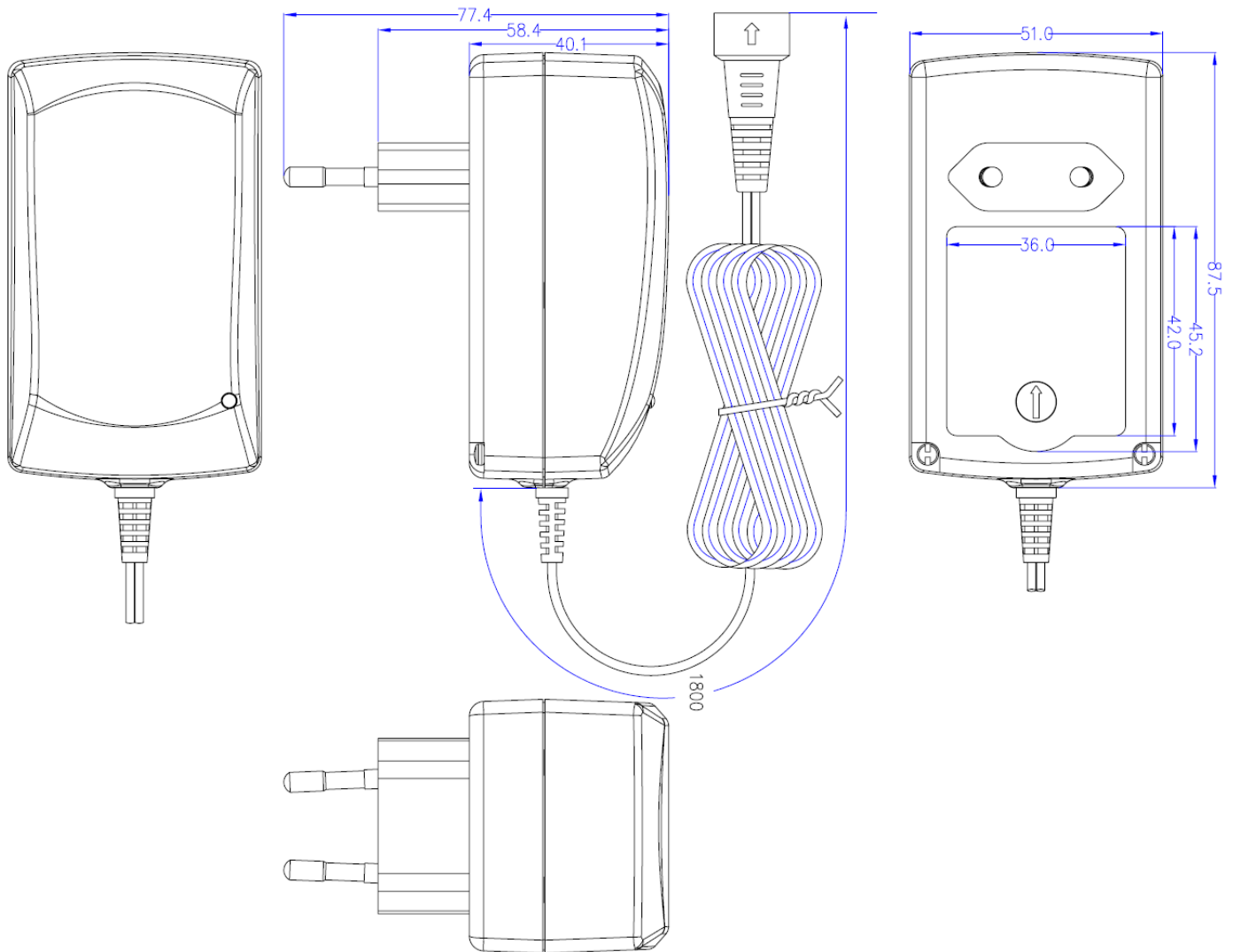


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WEIGHT	g MAX exclude packing
INPUT PLUG	Direct plug-in EU type
OUTPUT CORD	PVC, Length 1.8m
OUTPUT PLUG	Depends on client request

Appearance



APPROVE:

AUDITING:

CONNER: