



**POWER SUPPLY SPECIFICATION**  
**MODEL: MW MB10EU**

**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)	250m A

**OUTPUT**

OUTPUT VOLTAGE (DC)	3.0 / 4.5 / 5.0 / 6.0 / 7.5 / 9.0 / 12.0V
OUTPUT CURRENT	1.0A max

**OVERALL PERFORMANCE**

TOTAL OUTPUT POWER	12.0W Max
AVERAGE ACTIVE EFFICIENCY	Min 69.642% (for 3.0V); Min 72.814% (for 4.5V); Min 73.623% (for 5.0V); Min 78.881% (for 6.0V); Min 80.256% (for 7.5V); Min 81.340% (for 9.0V); Min 82.963% (for 12.0V)
EFFICIENCY AT LOW LOAD (10%)	Min 59.6% (for 3.0V); Min62.8% (for 4.5V); Min 63.6% (for 5.0V); Min 68.8% (for 6.0V); Min70.2% (for 7.5V); Min 71.3% (for 9.0V); Min72.9% (for 12.0V)

**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

**SAFETY STANDARDS**

SAFETY STANDARDS	EN 61558-2-16:2009+A1:2013 conjunction with EN IEC 61558-1:2019
EMC STANDARDS	EN 61204-3:2018

**RELIABILITY**

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

**MECHANICAL SPECIFICATION**

DIMEMSION	76.9 mm(L)*43.8 mm(W)* 35.4mm(H) (excluded plug)
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	76.9 mm(L)*43.8 mm(W)* 72.7mm(H) (included plug)
WEIGHT	108g MAX exclude packing
INPUT PLUG	Direct plug-in EU type
OUTPUT CORD	PVC, Length 1.8m
OUTPUT PLUG	Depends on client request

**Appearance**

