

100 Watt, MPU100 Series, Medically Approved Desktop PSU

ALL PSU LTD
Electronic Power Solutions

- Universal Input
- Single, Dual & Triple Output Models
- UL/cUL 60601-1, EN60601-1 Approved
- High Reliability 100% Full Load Burn In
- Over Load, Over Voltage Protection
- Full Approvals: UL/cUL/TUV/CE/CB
- 3 Year Warranty
- Class I Insulation
- Optional On / Off Switch



Specification

Input Voltage.....	90~260 VAC, 47~63 Hz
Input Current.....	0.5 A @ 230 VAC, 1.25 A @ 115 VAC (full load)
Output Voltage.....	See tables, Single, Dual or Triple Output models
Over Load Protection.....	110~150% of rated current
Over Voltage Protection.....	112~132% of output voltage
Line Regulation.....	1% Max, typically 0.5%
Load Regulation.....	Typically +/-3%, +/-7% Max @ 230 VAC input
Hold Up Time.....	16 ms @ 110 VAC input (full load)
Leakage Current.....	Max 0.1mA @ 240 VAC input and full load
Isolation Voltage.....	I/P-O/P: 4 kVAC, I/P-FG: 2 kVAC
Operating Temperature.....	0 to +70 °C, derates from 100% load @ 50°C to 50% load @ 70°C
Safety Standards.....	UL/cUL-60601-1, EN60601-1
EMC Standard.....	Class B
MTBF.....	>100 khrs (MIL-HDBK-217F) @ 25 °C
Weight.....	Approx 0.8 kg each
Dimensions.....	189(L) x 89.5(W) x 45.5(H) mm

Single Output Models

Model	Output Voltage	Voltage Range (Factory Settable)	Output Current	Max Power
MPU100-102	5 V	5.0 V - 6.0 V	14 A – 11.67 A	70 W
MPU100-103	7 V	6.0 V - 8.0 V	13.33 A – 10 A	80 W
MPU100-104	9 V	8.0 V - 11.0 V	11.25 A – 8.2 A	90 W
MPU100-105	12 V	12.0 V - 13.0 V	8.33 A – 7.7 A	100 W
MPU100-106	15 V	13.0 V - 16.0 V	7.7 A – 6.3 A	100 W
MPU100-107	19 V	16.0 V - 21.0 V	6.3 A – 4.8 A	100 W
MPU100-108	24 V	21.0 V - 27.0 V	4.8 A – 3.7 A	100 W
MPU100-109	30 V	27.0 V - 33.0 V	3.7 A – 3 A	100 W
MPU100-110	36 V	33.0 V - 40.0 V	3 A – 2.5 A	100 W

Dual Output Models

Model	Output 1	Output 2	Output 3	Max Power
MPU100-200	3.3 V / 10 A	12 V / 3 A	See table next page for triple output models	69 W
MPU100-201	5 V / 10 A	12 V / 3 A		80 W
MPU100-202	5 V / 10 A	15 V / 3 A		80 W
MPU100-203	5 V / 10 A	24 V / 2 A		80 W
MPU100-204	3.3 V / 10 A	5 V / 5 A		55 W
MPU100-209	12 V / 7 A	-12V / 1 A		80 W
MPU100-210	15 V / 6 A	-15 V / 1 A		80 W
MPU100-212	24 V / 3A	-24 V / 1 A		80 W
MPU100-215	5 V / 10 A	-24 V / 1 A		74 W

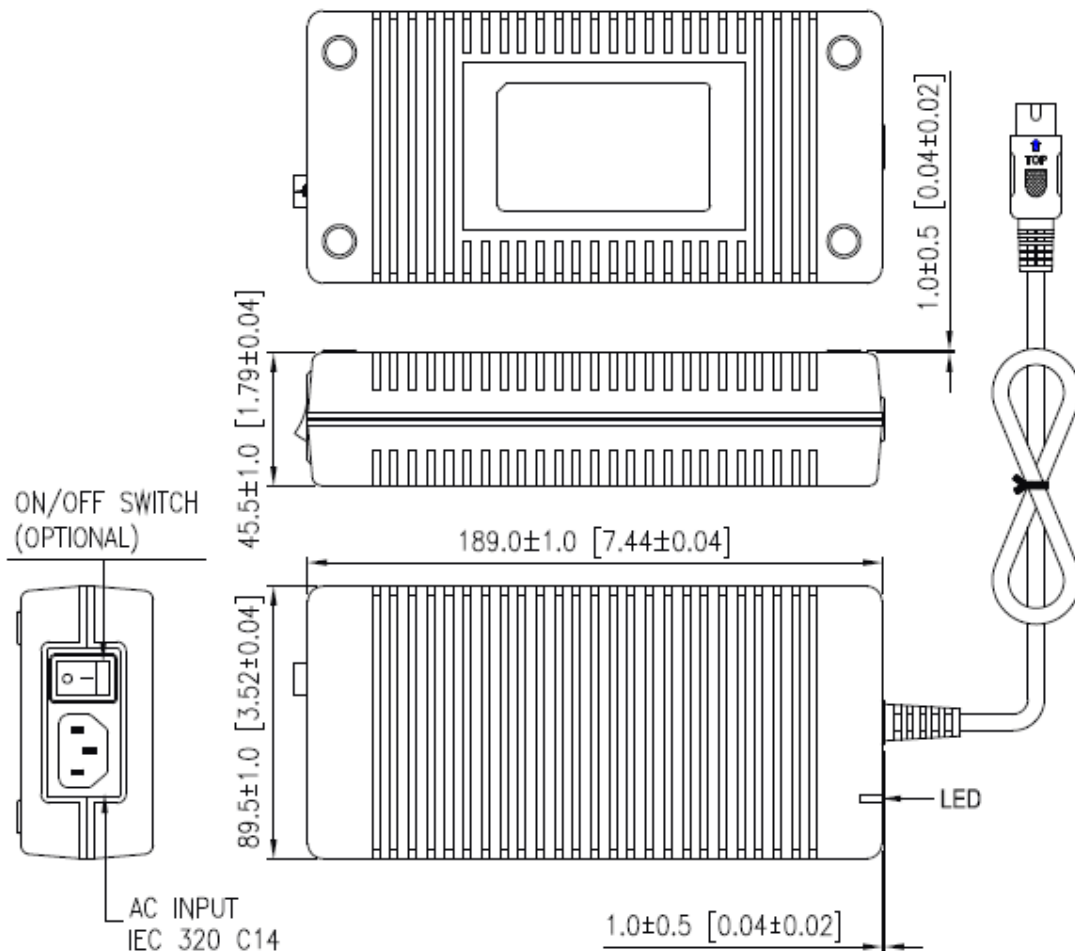
See next page for triple output models, mechanical and connector details

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Triple Output Models

Model	Output 1	Output 2	Output 3	Max. Output Power
MPU100-300	3.3 V / 10 A	12 V / 3 A	-12 V / 1 A	74 W
MPU100-301	5 V / 10 A	12 V / 3 A	-5 V / 1 A	80 W
MPU100-302	5 V / 10 A	12 V / 3 A	-12 V / 1 A	80 W
MPU100-303	5 V / 10 A	15 V / 3 A	-15 V / 1 A	80 W
MPU100-304	5 V / 10 A	24 V / 3 A	-24 V / 1 A	80 W
MPU100-305	5 V / 10 A	24 V / 3 A	-12 V / 1 A	80 W
MPU100-306	3.3 V / 10 A	12 V / 3 A	-5 V / 1 A	74 W
MPU100-308	3.3 V / 10 A	5 V / 3 A	-12 V / 1 A	60 W

Mechanical Details



Output connector type and connection can be customer specified

Specifications may change without notice, E&OE. ALL PSU Terms & Conditions apply.

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