

- Universal Input with PFC
- 2V to 50V Single Output Models
Plus 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 1 Insulation
- Optional Output Connectors



Specification

Input Voltage.....	90~264 VAC, 47~63 Hz
Input Current.....	0.7 A @ 230 VAC, 1.35 A @ 115 VAC (full load)
Output Voltage.....	See tables below
Over Load Protection.....	110~150% of rated current (auto-recovery)
Over Voltage Protection.....	112~132% of output voltage (crowbar)
Efficiency.....	73-88% (dependent on unit)
Line Regulation.....	0.5% typically
Load Regulation.....	+/-3% typical @ 230 VAC input
Hold Up Time.....	16 ms @ 110 VAC input (full load)
Leakage Current.....	Max 0.1 mA @ 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 (100% load at 50°C derate to 50% load at 70 °C)
Safety Standards.....	UL/cUL-60601-1, EN60601-1
EMC Standard.....	EN55011 Class B, FCC Part 18 class B CISPR-11 level B
MTBF.....	>100 khrs (MIL-HDBK-217F) @ 25 °C
Weight.....	Approx 0.56 kg each
Dimensions.....	146(L) x 76(W) x 43(H)

Single Output Models & Ratings (see next page for multi-output models)

Model	Output Voltage ⁽²⁾	Output Current	Max. Output Power
MPU50-100	2 ~ 3 V	12.0 A ~ 10.0 A	30 W
MPU50-101	3 ~ 5 V	10.0 A ~ 8.0 A	40 W
MPU50-102	5 ~ 6 V	8.0 A ~ 6.66 A	40 W
MPU50-103	6 ~ 8 V	7.0 A ~ 5.25 A	42 W
MPU50-104	8 ~ 11 V	5.63 A ~ 4.0 A	45 W
MPU50-105	11 ~ 13 V	4.0 A ~ 3.46 A	45 W
MPU50-106	13 ~ 16 V	3.46 A ~ 2.81 A	45 W
MPU50-107	16 ~ 21 V	3.12 A ~ 2.38 A	50 W
MPU50-108	21 ~ 27 V	2.3 A ~ 1.85 A	50 W
MPU50-109	27 ~ 33 V	1.85 A ~ 1.51 A	50 W
MPU50-110	33 ~ 40 V	1.51 A ~ 1.25 A	50 W
MPU50-111	40 ~ 50 V	1.25 A ~ 1.0 A	50 W

Notes:

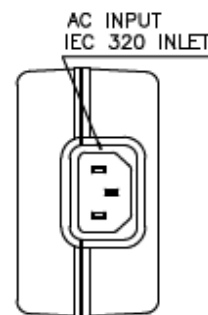
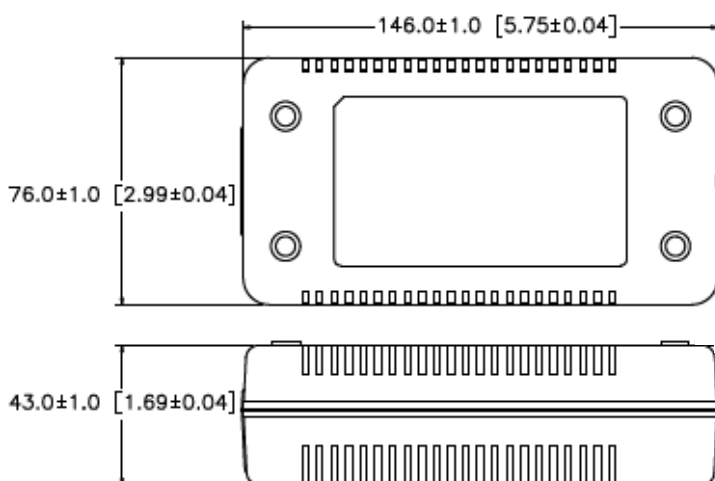
- 1) Alternative output connectors are available - contact sales office for details
- 2) Output voltages shown are the factory settable range only between the min ~ max values - not customer adjustable

See next page for multi-output models, mechanical and pin-out details

Multi Output Models & Ratings

Model	Output 1	Output 2	Output 3	Max. Output Power
MPU50-200	3.3 V @ 0.5~5 A	12 V @ 0.2~2 A		40 W
MPU50-201	5 V @ 0.5~5 A	12 V @ 0.2~2 A		42 W
MPU50-202	5 V @ 0.5~5 A	15 V @ 0.15~1.5A		42 W
MPU50-203	5 V @ 0.5~5 A	24 V @ 0.1~1 A		42 W
MPU50-204	3.3 V @ 0.5~5 A	5 V @ 0.2~2 A		26.5 W
MPU50-209	12 V @ 0.3~3 A	-12 V @ 0~1.0 A		42 W
MPU50-210	15 V @ 0.2~2 A	-15 V @ 0.1~1 A		42 W
MPU50-215	5 V @ 0.5~5 A	-24 V @ 0.1~1 A		42 W
MPU50-216	5.1 V @ 0.5~5 A	7.2 V @ 0.3~2.6 A		42 W
MPU50-217	10.5 V @ 0.2~ 2 A	-10 V @ 0~ 2.0 A		42 W
MPU50-218	5 V @ 0.5~5 A	-5 V @ 0~2.0 A		35 W
MPU50-300	3.3 V @ 0.5~5 A	12 V @ 0.4~2.0A	-12 V @ 0.1~0.8 A	42 W
MPU50-301	5 V @ 0.5~5 A	12 V @ 0.2~2.0 A	-5 V @ 0~ 0.8 A	42 W
MPU50-302	5 V @ 0.5~5 A	12 V @ 0.2~2.0 A	-12 V @ 0.1~0.8 A	42 W
MPU50-303	5 V @ 0.5~5 A	15 V @ 0.4~2.0 A	-15 V @ 0.1~0.8 A	42 W
MPU50-304	5 V @ 0.5~5 A	24 V @ 0.2~1.0 A	-24 V @ 0~0.5 A	42 W
MPU50-305	5 V @ 0.5~5 A	24 V @ 0.1~1.0 A	-12 V @ 0~0.8 A	42 W
MPU50-306	3.3 V @ 0.5~5 A	12 V @ 0.4~2.0A	-5 V @ 0.1~0.8 A	42 W

Mechanical Details



Output cable length is approx. 1.2m
5 pin Din connector as standard.
Contact sales for alternative connectors

Pin-out (Standard 5 Pin Output Connector)

Pin	Single Output	Dual Output	Triple Output
1	Return	Return	Return
2	Return	Return	Return
3	Output	Output 1	Output 1
4	Return	Return	Output 3
5	Output	Output 2	Output 2

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

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