

MPU12A series

12W Wall mount type switching power supplies for Medical Equipment

The MPU12A series of AC/DC switching mode power supplies provide 12 watts of continuous output power. This series is suitable for use in Blood Pressure measurements, Frequency Therapy Device and [Dental](#) Curing light applications. All models are designed to comply with ANSI/AAMI ES 60601-1: 2005 (UL/cUL 3rd Edition) and new CE requirements.



Features

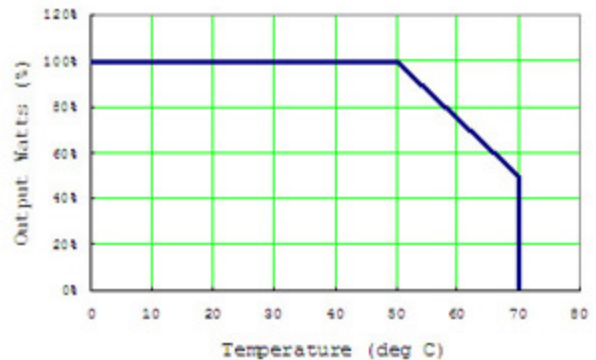
- Wide Operating Voltage 90 to 264 VAC, 47 to 63 Hz
- 2 Prong Plug-In Mains Connector
- Single Output
- Energy Star 2.0, Efficiency level V
- ANSI/AAMI ES 60601-1: 2005(UL/cUL 3rd Edition)
- EN 60601-1:2006 (TUV/T-mark 3rd Edition)
- Input to Output : 2MOPP
- Class II
- 3 year warranty

Electrical characteristics

- Efficiency: 72.3~80%.
- Line Regulation: 1% max.
- Load Regulation: 5% max.
- Hold-up Time: 12mS min.
- Output ripple and noise: 1% (max.).

Environmental

- Operating Temperature: 0 to 70°C
- Derate linearly from 100% load at 50°C to 50% load at 70°C
- Storage Temperature: -40~85°C
- Operating Humidity : 0~95%
- Storage Humidity: 0~95%
- MTBF: 100,000 calculated hours



Model No.	Output Voltage	Max. Output Current	Max. Output Power	Total Regulation	Certificate
▶MPU12A-102	5~6VDC	2.00~1.66A	10W	5%	UL, CE, CB, FCC, TUV T-mark, CEC-V, PSE, RoHS
▶MPU12A-103	6~8VDC	2.00~1.50A	12W	5%	UL, CE, CB, FCC, TUV T-mark, CEC-V, PSE, RoHS
▶MPU12A-104	8~11VDC	1.50~1.09A	12W	5%	UL, CE, CB, FCC, TUV T-mark, CEC-V, PSE, RoHS
▶MPU12A-105	11~13VDC	1.09~0.92A	12W	5%	UL, CE, CB, FCC, TUV T-mark, CEC-V, PSE, RoHS
▶MPU12A-106	13~16VDC	0.92~0.75A	12W	5%	UL, CE, CB, FCC, TUV T-mark, CEC-V, PSE, RoHS
▶MPU12A-107	16~21VDC	0.75~0.57A	12W	3%	UL, CE, CB, FCC, TUV T-mark, CEC-V, PSE, RoHS
▶MPU12A-108	21~27VDC	0.57~0.44A	12W	3%	UL, CE, CB, FCC, TUV T-mark, CEC-V, PSE, RoHS