

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

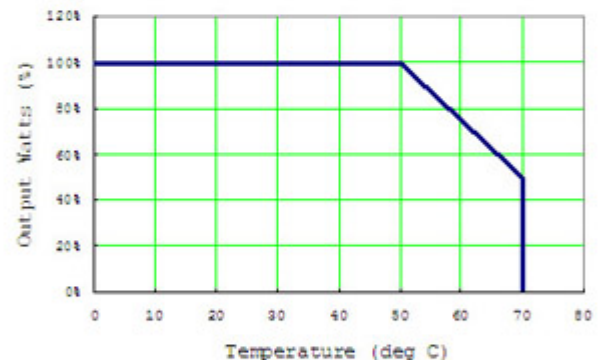
- Wide Operating Voltage 90 to 264 VAC, 47 to 63 Hz
- 2 Prong Plug-In Mains Connector
- Single Output
- Energy Star 2.0, Efficiency level V
- ANSI/AAMI ES 60601-1: 2005(UL/cUL 3rd Edition)
- EN 60601-1:2006 (TUV/T-mark 3rd Edition)
- Input to Output : 2MOPP
- Class II
- 3 year warranty

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