



MPU50 series

50W Desktop type switching power supplies for Medical Equipment

The MPU50 series of AC/DC switching mode power supplies provide 50 Watts of continuous output power. All supplies are UL94V-1 min compliant. They are suited for use in hospital instrument and many other applications. All models meet FCC Part-18 class B and CISPR-11 EN55011 class B emission Limits and are designed to comply with UL/c-UL(UL 60601-1:2nd Edition), TUV/T-mark (EN 60601-1:2nd Edition) and new CE requirements. All units are 100% burned in and tested.



Features

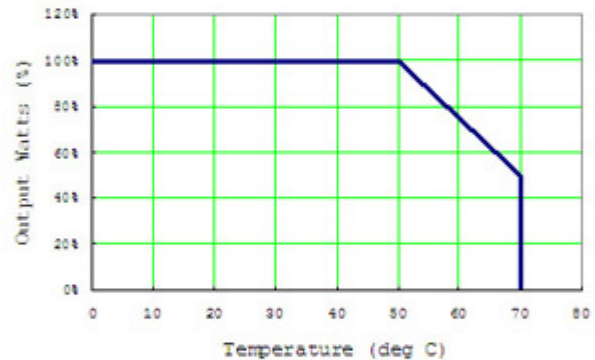
- Wide Operating Voltage 90 to 264 VAC, 47 to 63 Hz
- IEC-320-C14 Input Inlet
- Input Surge Current, Over Voltage and Over Load Protection
- Single to Triple Output
- Class I
- 3 year warranty

Electrical characteristics

- Efficiency: 83% typ.
- Line Regulation: 1% max.
- Load Regulation: 7% max.
- Hold-up Time: 16mS min.
- Output ripple and noise: 0.5% (Typ.).
- (The Ripple & Noise which is under 3.3VDC at 2% 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	Total Regulation	Max. Output Power	Certificate
▶MPU50-100	2~3VDC	12.0~10.0A	7%	30W	UL/cUL, TUV T-mark, CE, CB, RoHS
▶MPU50-101	3~5VDC	10.0~8.00A	5%	40W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-102	5~6VDC	8.00~6.66A	5%	40W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-103	6~8VDC	7.00~5.25A	5%	42W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-104	8~11VDC	5.63~4.00A	4%	45W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-105	11~13VDC	4.00~3.46A	3%	45W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-106	13~16VDC	3.46~2.81A	3%	45W	UL/cUL, TUV T-mark, CE, CB, FCC, RoHS
▶MPU50-107	16~21VDC	3.12~2.38A	3%	50W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-108	21~27VDC	2.30~1.85A	2%	50W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-109	27~33VDC	1.85~1.51A	2%	50W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS

Model No.	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Certificate
▶MPU50-110	33~40VDC	1.51~1.25A	2%	50W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-111	40~50VDC	1.25~1.00A	2%	50W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-200	+3.3VDC +12.0VDC	5.00A 2.00A	7% 5%	40W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-201	+5.0VDC +12.0VDC	5.00A 2.00A	5% 5%	42W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-202	+5.0VDC +15.0VDC	5.00A 1.50A	5% 6%	42W	UL/cUL, TUV T-mark, CE, CB, FCC, RoHS
▶MPU50-203	+5.0VDC +24.0VDC	5.00A 1.00A	5% 5%	42W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-204	+3.3VDC +5.0VDC	5.00A 2.00A	7% 5%	26.5W	UL/cUL, TUV T-mark, CE, CB, FCC, RoHS
▶MPU50-209	+12.0VDC -12.0VDC	3.00A 1.00A	5% 5%	42W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-210	+15.0VDC -15.0VDC	2.00A 1.00A	5% 5%	42W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-215	+5.0VDC -24.0VDC	5.00A 1.00A	5% 5%	42W	UL/cUL, TUV T-mark, CE, CB, PSE, RoHS
▶MPU50-216	+5.1VDC +7.2VDC	5.00A 2.60A	5% 5%	42W	UL/cUL, TUV T-mark, CE, CB, PSE, RoHS
▶MPU50-217	+10.5VDC -10.5VDC	2.00A 2.00A	5% 5%	42W	UL/cUL, TUV T-mark, CE, CB, PSE, RoHS
▶MPU50-218	+5.0VDC -5.0VDC	5.00A 2.00A	5% 5%	35W	UL/cUL, TUV T-mark, CE, CB, RoHS
▶MPU50-300	+3.3VDC +12.0VDC -12.0VDC	5.00A 2.00A 0.80A	7% 5% 5%	42W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-301	+5.0VDC +12.0VDC -5.0VDC	5.00A 2.00A 0.80A	5% 5% 5%	42W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-302	+5.0VDC +12.0VDC -12.0VDC	5.00A 2.00A 0.80A	5% 5% 5%	42W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-303	+5.0VDC +15.0VDC -15.0VDC	5.00A 2.00A 0.80A	5% 6% 5%	42W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-303-1	+5.0VDC +15.0VDC -15.0VDC	3.00A 0.13A 0.07A	5% 6% 5%	18W	PSE, RoHS
▶MPU50-304	+5.0VDC +24.0VDC -24.0VDC	5.00A 1.00A 0.50A	5% 5% 5%	42W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-305	+5.0VDC +24.0VDC -12.0VDC	5.00A 1.00A 0.80A	5% 5% 5%	42W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-306	+3.3VDC +12.0VDC -5.0VDC	5.00A 2.00A 0.80A	7% 5% 5%	42W	UL/cUL, TUV T-mark, CE, CB, FCC, PSE, RoHS
▶MPU50-336	+6.0VDC +24.0VDC -13.0VDC	4.50A 0.50A 0.30A	7% 5% 5%	42.9W	RoHS