

MPU101 series

100W Desktop type switching power supplies for Medical Equipment



The MPU101 series of AC/DC switching mode power supplies provide 100 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 ANSI/AAMI ES 60601-1: 2005(UL/cUL 3rd Edition), EN 60601-1:2006 (TUV/T-mark 3rd Edition) and new CE requirements. All units are 100% burned in and tested.



Agree to apply for the PSE if order on hand

Features

- Wide Operating Voltage 90 to 260 VAC, 47 to 63 Hz
- IEC-320-C14 Input Inlet
- On/Off Switch (optional)
- Single to Triple Output
- Active Power Factor Correction
- Class I
- Medical Safety 3rd (EN60601-1 3rd Edition)
- Input to Output : 2MOPP
- 5 year warranty

Specification & safety report



Data



CE



FCC



CB



UL (NOA)



TUV T-mark

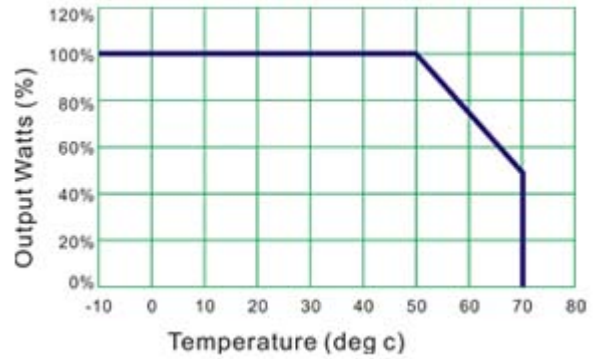
sheet (MPU101)

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: -10 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
▶ MPU101-102	5~6VDC	14.00~11.66A	5%	70W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
▶ MPU101-103	6~8VDC	13.33~10.00A	5%	80W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
▶ MPU101-104	8~11VDC	11.25~8.20A	4%	90W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
▶ MPU101-105	12~13VDC	8.33~7.70A	3%	100W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
▶ MPU101-106	13~16VDC	7.70~6.30A	3%	100W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
▶ MPU101-107	16~21VDC	6.30~4.80A	3%	100W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
▶ MPU101-108	21~27VDC	4.80~3.70A	2%	100W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
▶ MPU101-109	27~33VDC	3.70~3.00A	2%	100W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
▶ MPU101-110	33~40VDC	3.00~2.50A	2%	100W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2

Model No.	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Certificate
▶ MPU101-200	+3.3VDC +12.0VDC	10.00A 3.00A	7% 5%	69W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
▶ MPU101-201	+5.0VDC +12.0VDC	10.00A 3.00A	5% 5%	80W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
▶ MPU101-202	+5.0VDC +15.0VDC	10.00A 3.00A	5% 6%	80W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
▶ MPU101-203	+5.0VDC +24.0VDC	10.00A 2.00A	5% 5%	80W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
▶ MPU101-204	+3.3VDC +5.0VDC	10.00A 5.00A	7% 5%	55W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
▶ MPU101-209	+12.0VDC -12.0VDC	7.00A 1.00A	5% 5%	80W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
▶ MPU101-210	+15.0VDC -15.0VDC	6.00A 1.00A	5% 5%	80W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
▶ MPU101-212	+24.0VDC -24.0VDC	3.00A 1.00A	5% 5%	80W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2

▶ MPU101-215	+5.0VDC	10.00A	5%	74W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
	-24.0VDC	1.00A	5%		

Model No.	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Certificate
▶ MPU101-300	+3.3VDC	10.00A	7%	74W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
	+12.0VDC	3.00A	5%		
	-12.0VDC	1.00A	5%		
▶ MPU101-300-1	+3.3VDC	10.00A	7%	74W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
	+12.0VDC	3.00A	5%		
	+12.0VDC	1.00A	5%		
▶ MPU101-301	+5.0VDC	10.00A	5%	80W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
	+12.0VDC	3.00A	5%		
	-5.0VDC	1.00A	5%		
▶ MPU101-301-1	+5.0VDC	10.00A	5%	80W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
	+12.0VDC	3.00A	5%		
	+5.0VDC	1.00A	5%		
▶ MPU101-302	+5.0VDC	10.00A	5%	80W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
	+12.0VDC	3.00A	5%		
	-12.0VDC	< 1.00A	5%		
▶ MPU101-302-1	+5.0VDC	10.00A	5%	80W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
	+12.0VDC	3.00A	5%		
	+12.0VDC	1.00A	5%		
▶ MPU101-303	+5.0VDC	10.00A	5%	80W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
	+15.0VDC	3.00A	6%		
	-15.0VDC	1.00A	5%		
▶ MPU101-303-1	+5.0VDC	10.00A	5%	80W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
	+15.0VDC	3.00A	6%		
	+15.0VDC	1.00A	5%		
▶ MPU101-304	+5.0VDC	10.00A	5%	80W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
	+24.0VDC	3.00A	5%		
	-24.0VDC	1.00A	5%		
▶ MPU101-304-1	+5.0VDC	10.00A	5%	80W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
	+24.0VDC	3.00A	5%		
	+24.0VDC	1.00A	5%		
▶ MPU101-305	+5.0VDC	10.00A	5%	80W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
	+24.0VDC	3.00A	5%		
	-12.0VDC	1.00A	5%		
▶ MPU101-305-1	+5.0VDC	10.00A	5%	80W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
	+24.0VDC	3.00A	5%		
	+12.0VDC	1.00A	5%		
▶ MPU101-306	+3.3VDC	10.00A	7%	74W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
	+12.0VDC	3.00A	5%		
	-5.0VDC	1.00A	5%		

▶ MPU101-306-1	+3.3VDC +12.0VDC +5.0VDC	10.00A 3.00A 1.00A	7% 5% 5%	74W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
▶ MPU101-308	+3.3VDC +5.0VDC -12.0VDC	10.00A 3.00A 1.00A	7% 5% 5%	60W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2
▶ MPU101-308-1	+3.3VDC +5.0VDC +12.0VDC	10.00A 3.00A 1.00A	7% 5% 5%	60W	UL/cUL, CB, CE, FCC, TUV T-mark, RoHS2