

MPU32A series

30W Desk Top Switching Power Supplies For Medical Equipment.



The MPU32A series of AC/DC switching mode power supplies provide 30 Watts of continuous output power. All supplies are UL94V-1 min compliant. 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.



Features

Wide Operating Voltage 80 to 275 VAC, 47 to 63 Hz

IEC-320-C18 Input Inlet

Single Output

Class II

Medical Safety 3rd (EN60601-1 3rd Edition)

Input to Output : 2MOPP

5 year warranty

Specification & safety report



Data

sheet (MPU32A)



CB



CE



FCC



CEC (V)



UL (NOA)



PSE (102~103)



PSE (104~106)



PSE (106~109)



PSE (109~111)



TUV T-mark

Electrical characteristics

Efficiency: 83.5% typ.

Line Regulation: 0.5% typ.

Load Regulation: 5% typ.

Hold-up Time: 12mS min.

Output ripple and noise: 1% (Typ.).

Environmental

Operating Temperature: -10 to 70°C

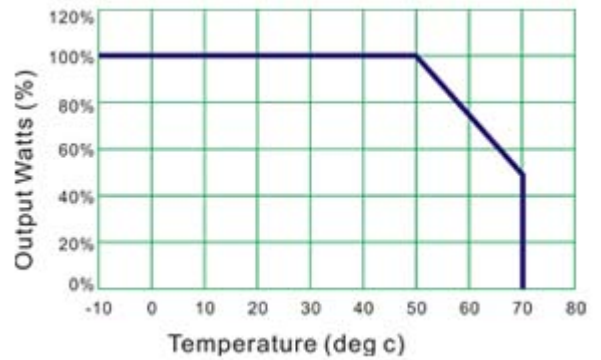
Derate linearly from 100% load at 50°C to 50% load at 70°C

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
▶ MPU32A-102	5~6VDC	4.00~3.33A	5%	20W	UL/cUL, CE, CB, FCC, TUV T-mark, PSE, RoHS2
▶ MPU32A-103	6~8VDC	3.83~2.87A	5%	23W	UL/cUL, CE, CB, FCC, TUV T-mark, PSE, CEC-V, RoHS2
▶ MPU32A-104	8~11VDC	3.38~2.45A	5%	27W	UL/cUL, CE, CB, FCC, TUV T-mark, PSE, CEC-V, RoHS2
▶ MPU32A-105	11~13VDC	2.74~2.30A	5%	30W	UL/cUL, CE, CB, FCC, TUV T-mark, PSE, CEC-V, RoHS2
▶ MPU32A-106	13~16VDC	2.30~1.88A	5%	30W	UL/cUL, CE, CB, FCC, TUV T-mark, PSE, CEC-V, RoHS2
▶ MPU32A-107	16~21VDC	1.88~1.43A	5%	30W	UL/cUL, CE, CB, FCC, TUV T-mark, PSE, CEC-V, RoHS2
▶ MPU32A-108	21~27VDC	1.43~1.11A	3%	30W	UL/cUL, CE, CB, FCC, TUV T-mark, PSE, CEC-V, RoHS2
▶ MPU32A-109	27~33VDC	1.11~0.91A	3%	30W	UL/cUL, CE, CB, FCC, TUV T-mark, PSE, CEC-V, RoHS2
▶ MPU32A-110	33~40VDC	0.91~0.75A	3%	30W	UL/cUL, CE, CB, FCC, TUV T-mark, PSE, CEC-V, RoHS2
▶ MPU32A-111	40~48VDC	0.75~0.63A	3%	30W	UL/cUL, CE, CB, FCC, TUV T-mark, PSE, CEC-V, RoHS2