

MBU31 series

30W Open frame type switching power supplies for Medical Equipment

The MBU31 series of compact, open frame constructed, AC/DC switching mode power supplies provide 30 Watts of continuous output power. 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 60601-1:3rdEdition), TUV/T-mark(EN 60601-1:3rdEdition) and new CE requirements. All units are 100% burned in and tested.



Features

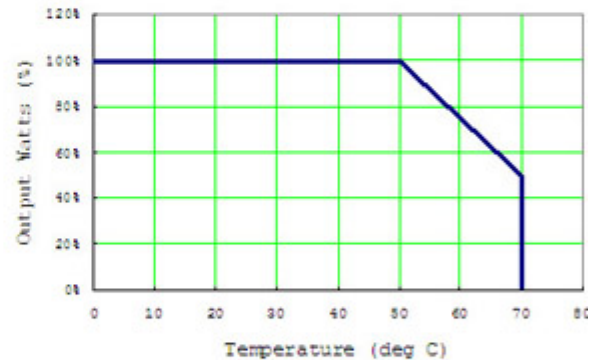
- Wide Operating Voltage 90 to 264 VAC, 47 to 63 Hz
- Input connector mates with Molex housing 09-50-3031 and Molex 2478 series crimp terminal
- Output connector mates with Molex housing 09-50-3061 and Molex 2478 series crimp terminal
- Single Output
- Size: 2"x4"x1.16"
- Class I
- 3 year warranty

Electrical characteristics

- Efficiency: 80% typ.
- Line Regulation: 1% max.
- Load Regulation: 5% max.
- Hold-up Time: 10mS 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	Total Regulation	Max.Output Power	Certificate
> MBU31-102	5VDC	6.00A	5%	30W	UL, CB, RoHS
> MBU31-103	7VDC	4.28A	5%	30W	UL, CB, RoHS
> MBU31-104	9VDC	3.33A	5%	30W	UL, CB, RoHS
> MBU31-105	12VDC	2.50A	5%	30W	UL, CB, RoHS
> MBU31-106	15VDC	2.00A	5%	30W	UL, CB, RoHS
> MBU31-107	18VDC	1.66A	5%	30W	UL, CB, RoHS
> MBU31-108	24VDC	1.25A	5%	30W	UL, CB, RoHS
> MBU31-109	30VDC	1.00A	5%	30W	UL, CB, RoHS
> MBU31-110	36VDC	0.83A	3%	30W	UL, CB, RoHS