



MBU81 series

80W Open frame type switching power supplies for Medical Equipment

The MBU81 series of compact, open frame constructed, AC/DC switching mode power supplies provide 80 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

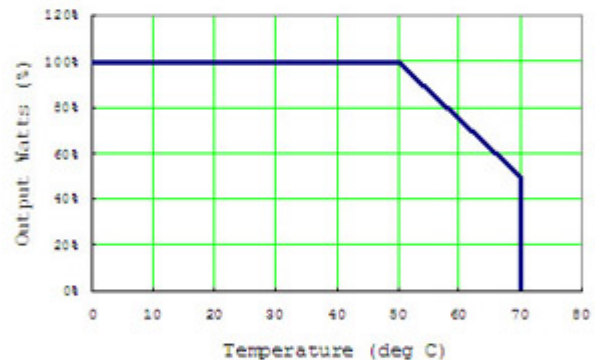
- Wide Operating Voltage 90 to 260 VAC, 47 to 63 Hz
- Input connector mates with Molex housing 09-50-3031 and Molex 2478 series crimp terminal
- Output connector mates with screw terminal (Terminal Block)(16-22AWG) or Molex housing 09-50-3121 and Molex 2478 series crimp terminal
- Single Output
- Size: 3"x5"x1.1"
- Class I
- 3 year warranty

Electrical characteristics

- Efficiency: 80% typ.
- Line Regulation: 1% max.
- Load Regulation: 7% max.
- Hold-up Time: 16mS 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
> MBU81-102	5VDC	14.00A	5%	70W	UL, CE, CB, FCC, TUV T-mark, RoHS
> MBU81-103	7VDC	11.43A	5%	80.01W	UL, CE, CB, FCC, TUV T-mark, RoHS
> MBU81-104	9VDC	8.89A	4%	80.01W	UL, CE, CB, FCC, TUV T-mark, RoHS
> MBU81-105	12VDC	6.66A	3%	80W	UL, CE, CB, FCC, TUV T-mark, RoHS
> MBU81-106	15VDC	5.33A	3%	80W	UL, CE, CB, FCC, TUV T-mark, RoHS
> MBU81-107	18VDC	4.44A	3%	80W	UL, CE, CB, FCC, TUV T-mark, RoHS
> MBU81-108	24VDC	3.33A	2%	80W	UL, CE, CB, FCC, TUV T-mark, RoHS
> MBU81-109	30VDC	2.66A	2%	80W	UL, CE, CB, FCC, TUV T-mark, RoHS
> MBU81-110	36VDC	2.22A	2%	80W	UL, CE, CB, FCC, TUV T-mark, RoHS