

MBU80 series

80W Open frame type switching power supplies for Medical Equipment

The MBU80 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 60601-1:2ndEdition) ,TUV/T-mark(EN 60601-1:2ndEdition) 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

5 year warranty

Specification & safety report



Data

sheet (MBU80)



CB



CE



LVD



T-mark



UL

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

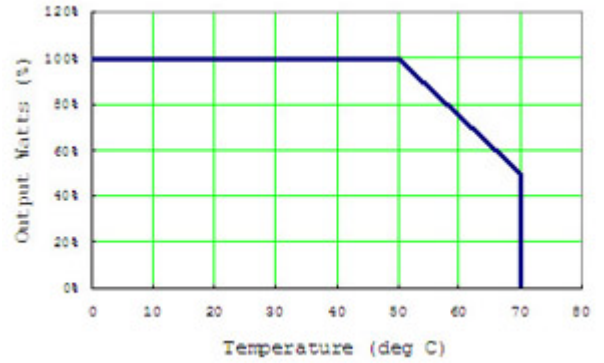
50% load at 70°C

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
> MBU80-102	5VDC	14.00A	5%	70W	UL/cUL, TUV T-mark, CE, CB, LVD, RoHS2
> MBU80-103	7VDC	11.43A	5%	80W	UL/cUL, TUV T-mark, CE, CB, LVD, RoHS2
> MBU80-104	9VDC	8.89A	4%	80W	UL/cUL, TUV T-mark, CE, CB, LVD, RoHS2
> MBU80-105	12VDC	6.66A	3%	80W	UL/cUL, TUV T-mark, CE, CB, LVD, RoHS2
> MBU80-106	15VDC	5.33A	3%	80W	UL/cUL, TUV T-mark, CE, CB, LVD, RoHS2
> MBU80-107	18VDC	4.44A	3%	80W	UL/cUL, TUV T-mark, CE, CB, LVD, RoHS2
> MBU80-108	24VDC	3.33A	2%	80W	UL/cUL, TUV T-mark, CE, CB, LVD, RoHS2
> MBU80-109	30VDC	2.66A	2%	80W	UL/cUL, TUV T-mark, CE, CB, LVD, RoHS2
> MBU80-110	36VDC	2.22A	2%	80W	UL/cUL, TUV T-mark, CE, CB, LVD, RoHS2