

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

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

Input to Output : 2MOPP

5 year warranty

Specification & safety report



Data

sheet (MBU81)



UL



CB



CE



FCC



TUV T-mark

Electrical characteristics

Efficiency: 80% typ.

Line Regulation: 1% max.

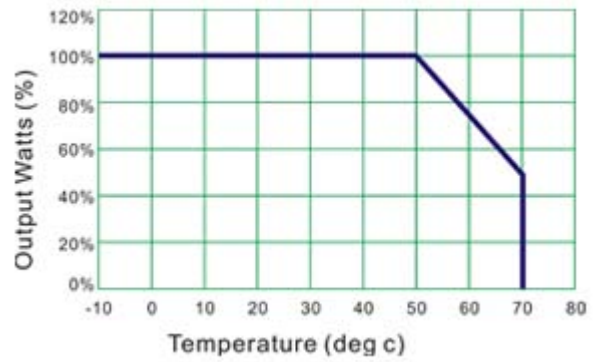
Load Regulation: 7% max.

Hold-up Time: 16mS min.

Output ripple and noise: 1% (max).

Environmental

Operating Temperature: -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
> MBU81-102	5VDC	14.00A	5%	70W	UL/cUL, CE, CB, FCC, TUV T-mark, RoHS2
> MBU81-103	7VDC	11.43A	5%	80W	UL/cUL, CE, CB, FCC, TUV T-mark, RoHS2
> MBU81-104	9VDC	8.89A	4%	80W	UL/cUL, CE, CB, FCC, TUV T-mark, RoHS2
> MBU81-105	12VDC	6.66A	3%	80W	UL/cUL, CE, CB, FCC, TUV T-mark, RoHS2
> MBU81-106	15VDC	5.33A	3%	80W	UL/cUL, CE, CB, FCC, TUV T-mark, RoHS2
> MBU81-107	18VDC	4.44A	3%	80W	UL/cUL, CE, CB, FCC, TUV T-mark, RoHS2
> MBU81-108	24VDC	3.33A	2%	80W	UL/cUL, CE, CB, FCC, TUV T-mark, RoHS2
> MBU81-109	30VDC	2.66A	2%	80W	UL/cUL, CE, CB, FCC, TUV T-mark, RoHS2
> MBU81-110	36VDC	2.22A	2%	80W	UL/cUL, CE, CB, FCC, TUV T-mark, RoHS2