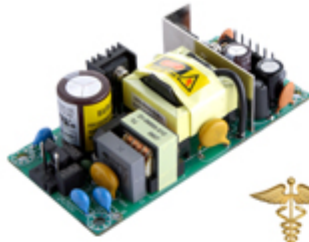


MBU31 series

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

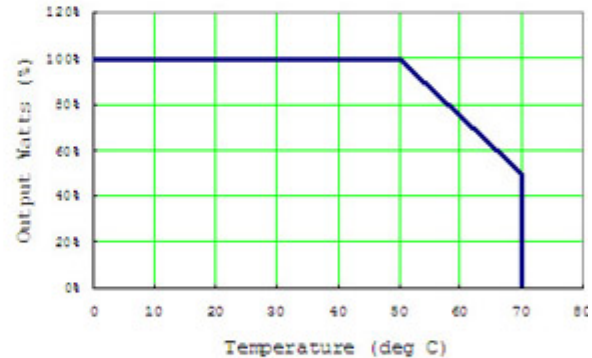
- Wide Operating Voltage 90 to 264 VAC, 47 to 63 Hz
- Input connector mates with Molex housing 09-50-3031 and Molex 2478 series crimp terminal
- Output connector mates with Molex housing 09-50-3061 and Molex 2478 series crimp terminal
- Single Output
- Size: 2"x4"x1.16"
- Class I
- 3 year warranty

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 |