

## HBU31 series



**30W Open frame type medical power supplies for Health care applications.**  
 The HBU31 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 Health care 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

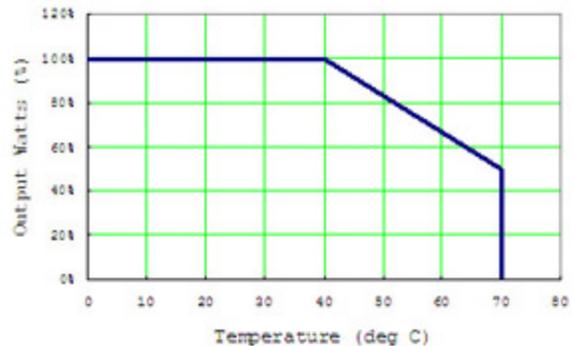
- Wide Operating Voltage 90 to 264 VAC, 47 to 63 Hz
- Input connector mates with Molex housing 09-50-3031 and Molex 2478 series crimp terminal
- Output connector mates with Molex housing 09-50-3041 and Molex 2478 series crimp terminal
- Single Output
- Size: 1.5"x4"x0.84"
- Class II
- 2 year warranty

### Electrical characteristics

- Efficiency: 85% typ.
- Line Regulation: 1% max.
- Load Regulation: 5% max.
- Hold-up Time: 12mS min.
- Output ripple and noise: 1% (max).

### Environmental

- Operating Temperature: 0 to 70°C
- Derate linearly from 100% load at 40°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.   | Adj. Output Voltage | Max. Output Current | Total Regulation | Max. Output Power | Certificate                   |
|-------------|---------------------|---------------------|------------------|-------------------|-------------------------------|
| > HBU31-102 | 5 ~ 6 VDC           | 4.00 ~ 3.33 A       | 5%               | 20W               | UL, CE, FCC, CB, T-mark, RoHS |
| > HBU31-103 | 6 ~ 8 VDC           | 3.83 ~ 2.87 A       | 5%               | 23W               | UL, CE, FCC, CB, T-mark, RoHS |
| > HBU31-104 | 8 ~ 11 VDC          | 3.37 ~ 2.45 A       | 5%               | 27W               | UL, CE, FCC, CB, T-mark, RoHS |
| > HBU31-105 | 11 ~ 13 VDC         | 2.72 ~ 2.31 A       | 5%               | 30W               | UL, CE, FCC, CB, T-mark, RoHS |
| > HBU31-106 | 13 ~ 16 VDC         | 2.31 ~ 1.88 A       | 5%               | 30W               | UL, CE, FCC, CB, T-mark, RoHS |
| > HBU31-107 | 16 ~ 21 VDC         | 1.88 ~ 1.43 A       | 5%               | 30W               | UL, CE, FCC, CB, T-mark, RoHS |
| > HBU31-108 | 21 ~ 27 VDC         | 1.43 ~ 1.12 A       | 3%               | 30W               | UL, CE, FCC, CB, T-mark, RoHS |
| > HBU31-109 | 27 ~ 33 VDC         | 1.12 ~ 0.91 A       | 3%               | 30W               | UL, CE, FCC, CB, T-mark, RoHS |
| > HBU31-110 | 33 ~ 40 VDC         | 0.91 ~ 0.76 A       | 3%               | 30W               | UL, CE, FCC, CB, T-mark, RoHS |