



HBU60 series

60W Open frame type switching power supplies for Medical Equipment

The HBU60 series of compact, open frame constructed, AC/DC switching mode power supplies provide 60 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 ANSI/AAMI ES 60601-1: 2005(UL/cUL 3rd Edition), EN 60601-1:2006 (TUV/T-mark 3rd Edition) and new CE requirements. All units are 100% burned in and tested.



Features

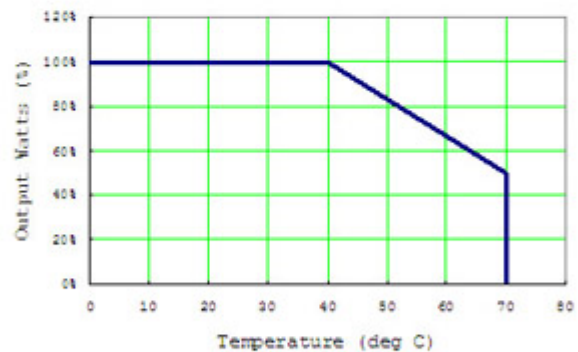
- Wide Operating Voltage 90 to 264 VAC, 47 to 63 Hz
- Input connector mates with molex housing 09-50-3031/35977-0300 and molex 2478/ 35922 series crimp terminal.
- Output connector mates with molex housing 09-50-3061/35977-0600 and molex 2478/ 35922 series crimp terminal.
- Single Output
- Size: 2"x4"x1"
- Class I
- 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
> HBU60-105	12 ~ 13 VDC	5.00 ~ 4.61 A	5%	60W	UL, CB, CE, FCC, TUV T-mark, RoHS
> HBU60-106	13 ~ 16 VDC	4.61 ~ 3.75 A	5%	60W	UL, CB, CE, FCC, TUV T-mark, RoHS
> HBU60-107	16 ~ 21 VDC	3.75 ~ 2.85 A	5%	60W	UL, CB, CE, FCC, TUV T-mark, RoHS
> HBU60-108	21 ~ 27 VDC	2.85 ~ 2.22 A	3%	60W	UL, CB, CE, FCC, TUV T-mark, RoHS
> HBU60-109	27 ~ 33 VDC	2.22 ~ 1.81 A	3%	60W	UL, CB, CE, FCC, TUV T-mark, RoHS
> HBU60-110	33 ~ 40 VDC	1.81 ~ 1.50 A	3%	60W	UL, CB, CE, FCC, TUV T-mark, RoHS