



SBU31 Series

30W Open frame type switching power supplies for I.T.E.

The SBU31 series of products, open frame constructed, AC/DC switching mode power supplies provide 30 Watts of continuous output power. They are suited for use in portable equipments and many other applications. All models meet CISPR-22 class B emission Limits and are designed to comply with new CE requirements. All units are 100% burned in and tested.



Features

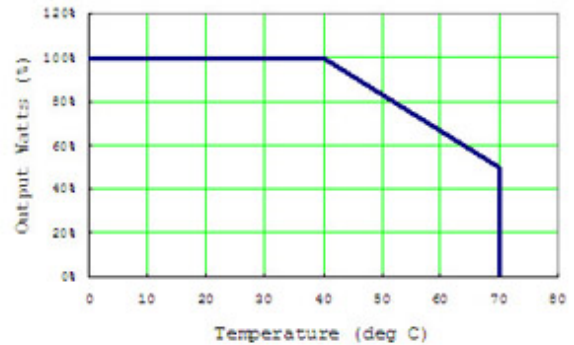
- Wide Operating Voltage 90 to 264 VAC, 47 to 63 Hz
- Input connector mates with Molex [housing](#) 09-50-3031 and Molex 2478 series crimp terminal
- Output connector mates with Molex [housing](#) 09-50-3041 and Molex 2478 series crimp terminal
- Single Output
- Size: 1.5 "x4"x 0.83"
- 2 year warranty

Electrical characteristics

- Efficiency: 84% typ.
- Line Regulation: 1% max.
- Load Regulation: 5% max.
- Hold-up Time: 12mS min.
- Output ripple and noise: 0.5% (Typ.).

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
> SBU31-102	5 ~ 6 VDC	4.00 ~ 3.33 A	5%	20W	CB,CE,UL,T-mark,RoHS
> SBU31-103	6 ~ 8 VDC	3.83 ~ 2.87 A	5%	23W	CB,CE,UL,T-mark,RoHS
> SBU31-104	8 ~ 11 VDC	3.38 ~ 2.45 A	5%	27W	CB,CE,UL,T-mark,RoHS
> SBU31-105	11 ~ 13 VDC	2.73 ~ 2.30 A	5%	30W	CB,CE,UL,T-mark,RoHS
> SBU31-106	13 ~ 16 VDC	2.30 ~ 1.88 A	5%	30W	CB,CE,UL,T-mark,RoHS
> SBU31-107	16 ~ 21 VDC	1.88 ~ 1.43 A	5%	30W	CB,CE,UL,T-mark,RoHS
> SBU31-108	21 ~ 27 VDC	1.43 ~ 1.11 A	3%	30W	CB,CE,UL,T-mark,RoHS
> SBU31-109	27 ~ 33 VDC	1.11 ~ 0.91 A	3%	30W	CB,CE,UL,T-mark,RoHS
> SBU31-110	33 ~ 40 VDC	0.91 ~ 0.75 A	3%	30W	CB,CE,UL,T-mark ,RoHS
> SBU31-111	40 ~ 48 VDC	0.75 ~ 0.62 A	3%	30W	CB,CE,UL,T-mark ,RoHS