

SPU31 series

30W Desktop type switching power supplies for I.T.E

The SPU31 series of AC/DC switching mode power supplies provide 30 Watts of continuous output power. All supplies are UL 94V-1 min compliant. All models meet FCC Part-15 class B and CISPR-22 class B emission Limits and are designed to comply with UL/c-UL(UL 60950-1:2nd Edition), TUV/GS (EN 60950-1:2nd Edition) and new CE requirements. All units are 100% burned in and tested.



Features

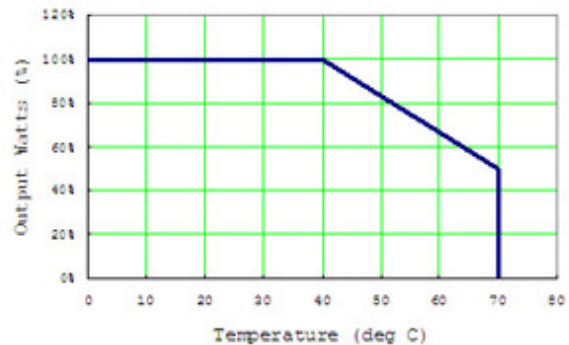
- Wide Operating Voltage 90 to 264 VAC, 47 to 63 Hz
- IEC-320-C14 Input Inlet
- Energy Star 2.0, Efficiency level V
- Single Output
- Input Surge Current, Over Voltage and Over Load Protection
- Class I
- 2 year warranty

Electrical characteristics

- Efficiency: 73~90% 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.	Output Voltage	Max. Output Current	Total Regulation	Max. Output Power	Certificate
▶SPU31-102	5~6 VDC	4.00~3.33A	5%	20W	UL, CB, GS, CE, PSE, CEC Level V, RoHS
▶SPU31-103	6~8 VDC	4.16~3.12A	5%	25W	UL, CB, GS, CE, PSE, CEC Level V, RoHS
▶SPU31-104	8~11 VDC	3.75~2.72A	5%	30W	UL, CB, GS, CE, PSE, CEC Level V, RoHS
▶SPU31-105	11~13VDC	2.72~2.30A	5%	30W	UL, CB, GS, CE, PSE, CEC Level V, RoHS
▶SPU31-106	13~16VDC	2.30~1.87A	5%	30W	UL, CB, GS, CE, PSE, CEC Level V, KC, RoHS
▶SPU31-107	16~21VDC	1.87~1.42A	5%	30W	UL, CB, GS, CE, PSE, CEC Level V, RoHS
▶SPU31-108	21~27VDC	1.42~1.11A	3%	30W	UL, CB, GS, CE, PSE, CEC Level V, RoHS
▶SPU31-109	27~33VDC	1.11~0.90A	3%	30W	UL, CB, GS, CE, PSE, CEC Level V, RoHS
▶SPU31-110	33~40VDC	0.90~0.75A	3%	30W	UL, CB, GS, CE, PSE, CEC Level V, RoHS
▶SPU31-111	40~50VDC	0.75~0.60A	5%	30W	UL, CB, GS, CE, PSE, CEC Level V, RoHS