

Desk Top Power Supplies



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PSE31 Series 30 Watts Single Output

Features

- Wide input voltage range of 90-264 VAC
- CEC and Energy Star Compliant
- Class I Safety
- 3 pin IEC-320-C14 AC Inlet
- Output Voltages available from 5V to 50VDC
- Optional Output Connectors



Electrical Specification

INPUT

Input Voltage	90-264VAC
Input Frequency	47-63Hz
Input Current	0.8A max 115VAC input, 0.5A max 230VAC input
Safety Ground Leakage Current	0.75mA max
No Load Input Power	0.5W max

OUTPUT

Output Voltage & Current	See Rating Chart
Output Power	30 Watts max
Output Ripple & Noise	1% pk-pk max
Transient Response Time	4mS max full load to half load 100VAC input
Line Regulation	1% max
Load Regulation	7% max
Over Current Protection	110-150% I out
Hold Up Time	16mS minimum

ENVIRONMENTAL

Operating Temperature	0 to 70°C, derate linearly from 100% at 40°C to 50% load at 70°C
Storage Temperature	-40°C to +85°C
Relative Humidity	5-95% max

GENERAL

Efficiency	81% typical, 90% max
MTBF	267,000 hours @ 25°C calculated to MIL-HDBK-217F

SAFETY

Withstand Voltage	Primary to Secondary 4242V DC, Primary to Ground 2121V DC
Isolation Resistance	50Mohm Min
Safety Approvals	UL/cUL60950, TUV/GS(EN60950), CB
EMI/EMC	CISPR22 'B', FCC Part 15 'B', EN55022 'B'

MECHANICAL

UL94V-1 plastic enclosure, see drawing for dimensions

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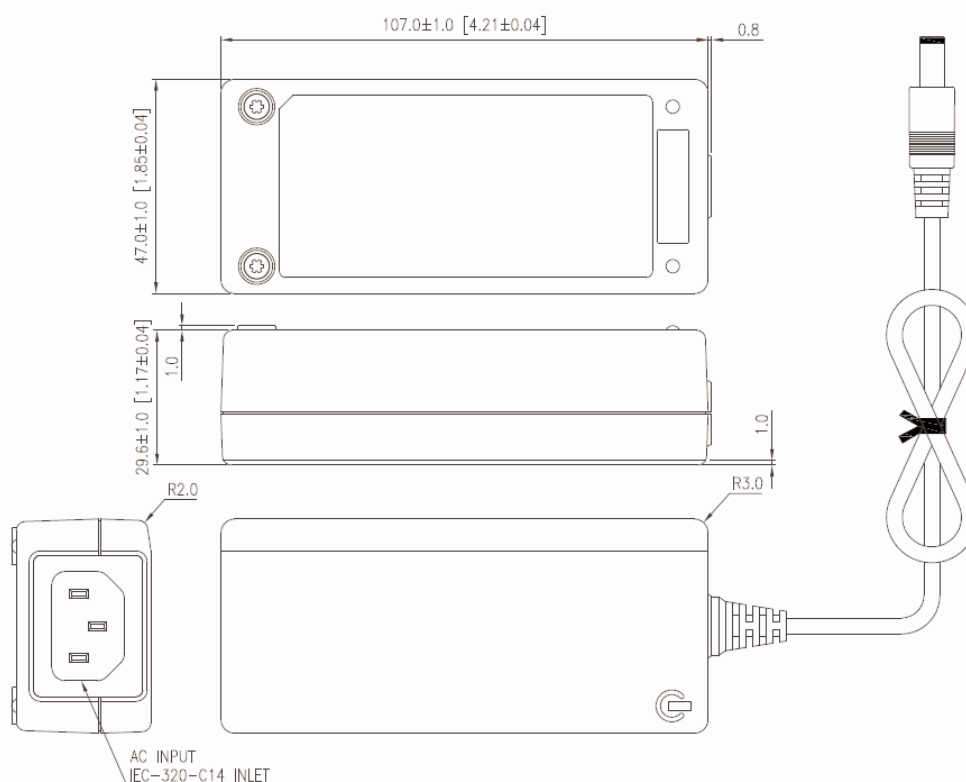
Output Voltage & Current Ratings

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	MAX OUTPUT POWER
PSE31-05-02	5.00V DC	5.00A	25 Watts
PSE31-09-02	9.00V DC	3.33A	30 Watts
PSE31-12-02	12V DC	2.50A	30 Watts
PSE31-15-02	15V DC	2.00A	30 Watts
PSE31-16-02	16V DC	1.88A	30 Watts
PSE31-18-02	18V DC	1.67A	30 Watts
PSE31-24-02	24V DC	1.25A	30 Watts
PSE31-48-02	48V DC	0.63A	30 Watts

Models above are standard stock items fitted with a 2.5 x 5.5 x 11mm Female Barrel connector wired centre positive, (-02) on end of part number. Alternative connectors can be fitted, consult sales office for details.

In addition other models are available to order with any voltage in the range of 5V to 50V DC.

Mechanical Details



All dimensions are shown in mm
Weight 280gms approx