

Desk Top Power Supplies



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PSE25A Series 25 Watts Single Output

Features

- Wide input voltage range of 90-264 VAC
- CEC Level VI
- Approved as Limited Power Source (LPS)
- 3 pin IEC-320-C14 AC Inlet (optional 2 pin C8 version)
- Output Voltages available from 5V to 48VDC
- Optional Output Connectors



Electrical Specification

INPUT

Input Voltage	90-264VAC
Input Frequency	47-63Hz
Input Current	0.4A max 115VAC input, 0.25A max 230VAC input
Safety Ground Leakage Current	0.75mA max
No Load Input Power	0.2W max

OUTPUT

Output Voltage & Current	See Rating Chart
Output Power	25 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	5% max
Over Current Protection	110-150%
Hold Up Time	14mS

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	85% typical
MTBF	300,000 hours @ 25°C calculated to MIL-HDBK-217F

SAFETY

Withstand Voltage	Primary to Secondary 4242V DC, Primary to Ground 2121V DC
Isolation Resistance	500Mohm 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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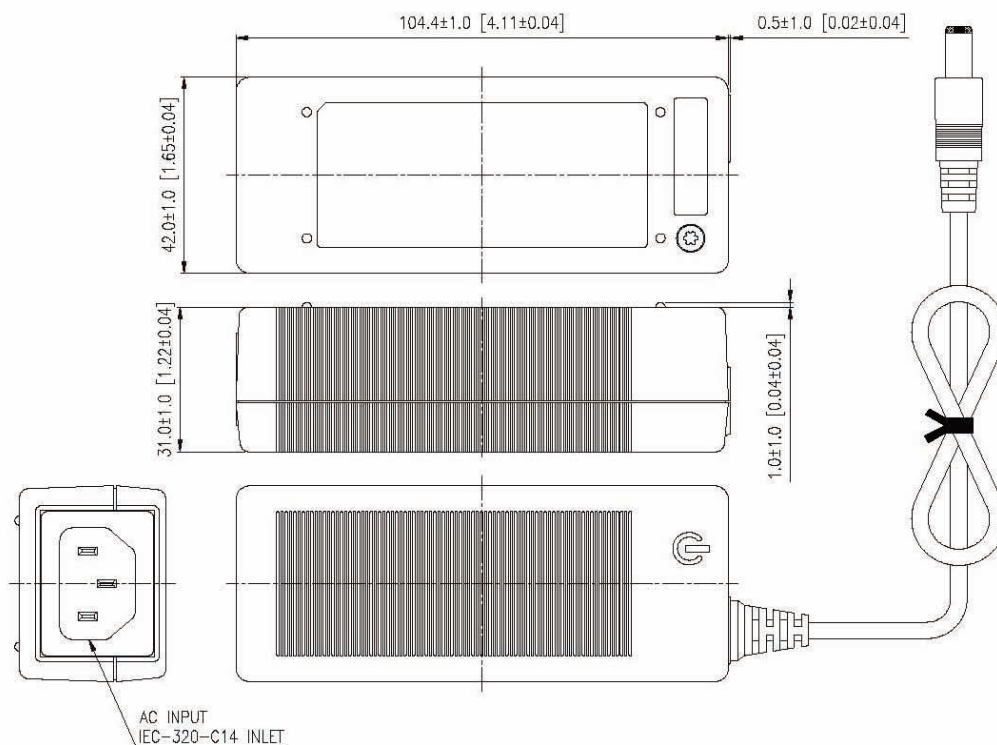
Output Voltage & Current Ratings

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	MAX OUTPUT POWER
PSE25A-05-01	5V DC	3A	15 Watts
PSE25A-09-01	9V DC	2.44A	22 Watts
PSE25A-12-01	12V DC	2.08A	25 Watts
PSE25A-15-01	15V DC	1.67A	25 Watts
PSE25A-16-01	16V DC	1.56A	25 Watts
PSE25A-18-01	18V DC	1.39A	25 Watts
PSE25A-24-01	24V DC	1.04A	25 Watts
PSE24A-48-01	48V DC	0.52A	25 Watts

Models above are standard stock items fitted with a 2.1x 5.5 x 11mm Female Barrel connector wired centre positive, (-01) 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 48V DC.

Mechanical Details



All dimensions are shown in mm
Weight 170gms approx

NOTE: This power supply is also available with a 2 pin IEC320 C8 input connector with Class II safety - consult sales office for details