

Desk Top Power Supplies



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PSF24/PSF30 Series 20-30 Watts Single DC Output

Features

- Universal AC Input
- Conforms to RoHS
- IEC320 C8 or C14 2 or 3 pin AC input connector
- EMC to EN55022 'B', CISPR22 'B' & FCC 'B'
- Desk Top Plastic Enclosure
- Optional DC Output Connectors
- Full International Safety Approvals
- Meets Energy Star & CEC Requirements



Electrical Specification

INPUT

Input Voltage & Current	90-264VAC, 1A max
Input Frequency	47-63Hz
Safety Ground Leakage Current	0.25mA max
No Load Input Power	<0.5W

OUTPUT

Output Voltage & Current	See table
Output Power	20-30 Watts see table for models
Output Ripple & Noise	80mV pk-pk max 5V output, 1% others
Transient Response Time	16mS max full load to half load 100VAC input
Line Regulation	1% max
Load Regulation	±5% max
Output Protection	Overcurrent & Overvoltage

ENVIRONMENTAL

Operating Temperature	0 to 40°C, ambient
Storage Temperature	-40°C to +85°C
Relative Humidity	8-95% max

GENERAL

Efficiency	85% typical
MTBF	>100,000 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), CCC, PSE, CB
EMI/EMC	CISPR22 'B', FCC Part 15 'B', EN55022 'B'

MECHANICAL

	UL94V-1 plastic enclosure, dimensions see drawing
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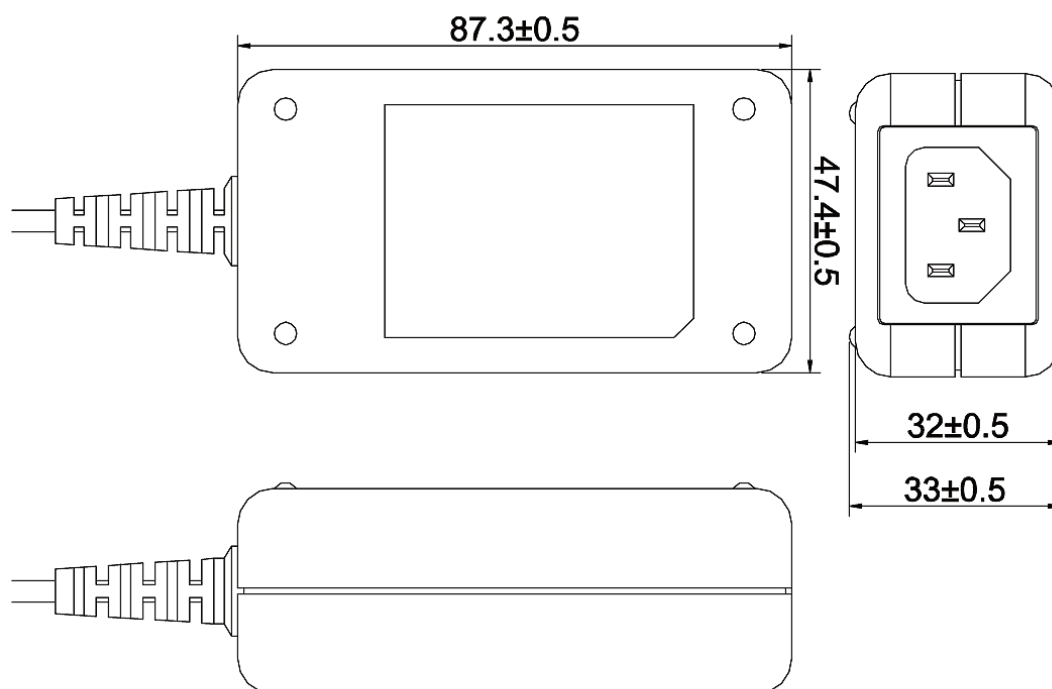
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Output Voltage & Current Ratings

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	MAX OUTPUT POWER
PSF24-05-XX	5V DC	4.00A	20 Watts
PSF24-09-XX	9V DC	2.56A	23 Watts
PSF24-12-XX	12V DC	2.00A	24 Watts
PSF24-15-XX	15V DC	1.60A	24 Watts
PSF24-16-XX	16V DC	1.50A	24 Watts
PSF24-18-XX	18V DC	1.33A	24 Watts
PSF24-24-XX	24V DC	1.00A	24 Watts
PSF30-12-XX	12V DC	2.50A	30 Watts
PSF30-15-XX	15V DC	2.00A	30 Watts
PSF30-16-XX	16V DC	1.87A	30 Watts
PSF30-18-XX	18V DC	1.66A	30 Watts
PSF30-24-XX	24V DC	1.25A	30 Watts

NOTE: (XX) in part number denotes output connector type. Standard stock items have 2.1 x 5.5 x 11mm centre positive barrel connector. Therefore part number would be PSF24-12-01. Other connectors are available which would be a different 2 digit number, consult sales office for details. Other output voltages available and units can also be ordered with optional 2 pin IEC inlet.

Mechanical Details



Note: drawing shows 3 pin IEC320 C14 AC inlet. A 2 pin IEC320-C8 inlet is optional consult sales office for details

Weight: 270 grams approx
Tolerances: ± 0.5 mm