Plug Top Power Adaptors

POWER SOLVE

PPT30R Series
30 Watt Switch Mode
Universal AC Input

www.powersolve.co.uk

The PPT30R series of AC-DC Power Adaptors offer user interchangeable AC input plugs to enable operation in many different countries.
Adaptors can be ordered with up to 4 different interchangeable plugs to meet the power socket requirements of most countries.

Features

• Universal input range 90-264VAC
• Continuous short circuit protection
• Over Voltage Protection
• Conductive EMI Meets CISPR/FCC Class B
• Optional Output Connector
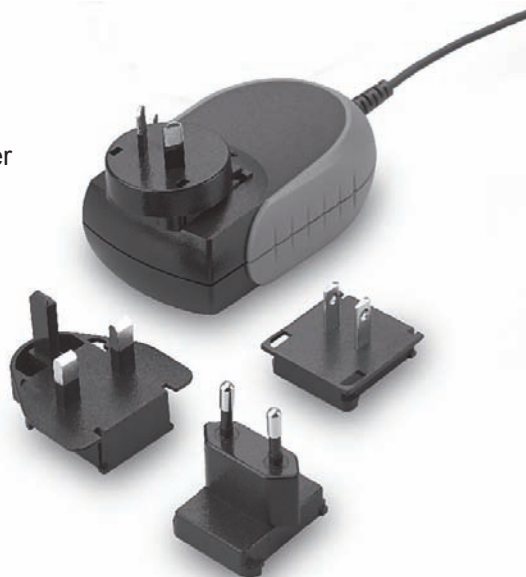
Electrical Specification

INPUT

Input Voltage Range	90 - 264Vac
Frequency	47 - 63Hz
Input Current	0.8A max.
Inrush Current	50A max. @ 240Vac
Isolation - Input/Output	4242VDC
Leakage Current	0.25mA max.

OUTPUT

Hold-up Time	10mS typ. @ 115Vac
Short Circuit Protection	Continuous (Auto Recovery)
Over Voltage Protection	Yes

ENVIRONMENTAL

Operating Temperature Range	0°C to +40°C
Storage Temperature Range	-20°C to +85°C
Cooling	Natural convection

GENERAL

Safety Approvals	cUL/UL 60950, TUV EN60950
Dimensions	108.67 x 61.98 x 36.70 mm 4.278 x 2.440 x 1.445 inches
Weight	300g

Output Voltage and Current Ratings

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT Min.	Max.	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REG.	LOAD REG.	% EFF.
PPT30R-050	5V	0A	5000mA	±1%	±4%	±1%	±6%	71%
PPT30R-090	9V	0A	3300mA	±1%	±2%	±1%	±3%	78%
PPT30R-120	12V	0A	2500mA	±1%	±2%	±1%	±2%	79%
PPT30R-150	15V	0A	2000mA	±1%	±2%	±1%	±2%	81%
PPT30R-180	18V	0A	1650mA	±1%	±2%	±1%	±2%	81%
PPT30R-240	24V	0A	1250mA	±1%	±2%	±1%	±2%	83%

NOTE:
1. Voltage set point at 60% full load.
2. Output noise and ripple measured with 10µF electrolytic & 0.1µF ceramic capacitors across output at 20MHz BW.
3. Line regulation is measured from 100Vac to 240Vac at full load.
3. Load regulation is measured from 60% to full load and from 60% to 20% load (60% ±40% load).

Typical at 25°C, nominal line and 75% load unless otherwise stated.

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Mechanical Details

All Dimensions In Inches(mm)
Tolerance   Inches: x.xxx= ±0.02
               Millimeters: x.xx= ±0.5

0.055(1.40)

70.866(1800.00)±1.969(50.00)

1.445(36.70)

2.440(61.98)

4.278(108.67)

Options: Consult Sales Office for details
Alternative output connectors available
In-line ferrite core on output cable

0.157(4.00)+0.002/-0.002 (+0/-0.05)

0.248(6.30)+0.003/-0.002 (+0.1/-0.05)

0.712(18.10)Max

0.639(16.00)

0.874(22.20)±0.005(0.13)

1.515(38.50)

0.669(17.00)±0.027(0.70)

0.49(12.50)±0.002(0.05)

1.102(28.00)

0.727(18.47)±0.002(0.05)

0.748(19.00)±0.019(0.50)

1.102(28.00)

1.431(36.35)

1.137(28.90)

0.665(16.90)±0.0118(0.30)

0.343(8.70)±0.019(0.50)

1.275(32.40)

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