

Plug Top & Desk Top Power Adaptors



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PSD 40-65 Series 40-65 Watts Switch Mode Universal AC Input

Features

- This unique adaptor can be used either as a desk top power supply, with a figure of eight input plug, or a wall mount using interchangeable AC plugs
- UK, Euro, USA & Australian input plugs
- Universal 90-264Vac input
- Optional Output Connectors
- CEC Compliant
- Other Output Voltages Available
- Constant Current Output Versions Available
- Suitable for Industrial Applications
- Full Safety Approvals
- Class II Insulation (Class I available on request)



Electrical Specification

AC Input Voltage Range	90 - 264VAC
Frequency	47 - 63Hz
Input Current	1.6A max. at low line input & full load output
Inrush Current	60 A max. at 230VAC input & 25°C ambient temperature
Leakage Current	<0.25mA
Input Protection	1.6A 250VAC Fuse
No Load Power Consumption	<0.5W max. at nominal input & no load output
DC Outputs	See table
Ripple & Noise	1% Vout
Hold Up Time	10ms at nominal input & full load output
No Load Operation	Yes, to protect power supply & system from damage
Short Circuit Protection	Auto recovery, can not exceed 8A max. after 1 minute at nominal line input
Over Current Protection	150-200%, foldback type, auto recovery
Over Voltage Protection	110-140%, voltage limiting, recycle input to recover
Operating Temperature Range	0°C to +50°C
Operating Humidity	8-90% RH non-condensing
Storage Temperature Range	-20°C to +70°C
Storage Humidity	5-95% RH non-condensing
Cooling	Free air convection
Dimensions	119 x 54 x 36mm
Weight	0.33kg
Withstand Voltage	I/P-O/P (FG): 3kVAC / 10mA / 1 minute
EMI	EN55022: 2006 Class B, EN61000-3-2: 2006, EN61000-3-3: 1995+A1: 2001+A2: 2005 EN55024: 1998+A1: 2001+A2: 2003, IEC61000-4-2, -3, -4, -5, -6+A1: 2004, -8, -11
Safety	CB (IEC60950-1: 2001), TUV GS (EN60950-1: 2001+A11), cUL, CE, VCCI
Output Connector	Standard stock items - 02 version with 2.5 x 5.5 x 9.5mm barrel connector, centre positive Other connectors available - consult sales office

Output Voltage and Current Ratings

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	EFFICIENCY LEVEL
PSD40-050-02	5V	8.00A	
PSD65-120-02	12V	5.42A	IV
PSD65-150-02	15V	4.33A	IV
PSD65-160-02	16V	4.06A	IV
PSD65-180-02	18V	3.61A	IV
PSD65-190-02	19V	3.42A	IV
PSD65-200-02	20V	3.25A	IV
PSD65-240-02	24V	2.70A	V

NOTE: Suffix -02 denotes the standard 2.5 x 5.5 x 9.5mm, centre positive, output connector. Other output connector versions will have a different 2 digit suffix

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Mechanical Details

