

## FEATURES

- Universal AC input
- Fully regulated output
- Overvoltage and short circuit protected
- High-efficiency
- LED power good indicator
- AC input fuse
- Operating temperature ranges between 0°C and 40°C

## RS PRO 12V dc Power Supply, 5A

RS Stock No.: 175-3285



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

The RS PRO is a 12VDC power supply is a 60W AC/DC switch-mode power desktop AC adapter from RS PRO technologies. This range of switch-mode power supply provides 20W of continuous output power in a high-quality compact enclosure suitable for many general power applications. It has an input frequency of 50-60Hz. While the input voltage range is 100-240VAC (wide range), its maximum input current is 50mA. It gives an efficiency of 88%. It gives fully regulated output and most importantly, is short circuit protected. It is a reliable product with high MTBF. The plug type is C14 connector. Thermal protection is of latching type. The desktop power supply overall cable length is 118mm. It has low power consumption, less than 0.10W.

## General Specifications

<b>Input Connector</b>	IEC 320-C14
<b>Output Connection Type</b>	R/A 2.1
<b>Number of Outputs</b>	1
<b>Energy Efficiency Level</b>	VI
<b>Application</b>	It is used in information technology equipment (ITE) commercial, A desktop power supply is a PSU specifically designed to be used by small items or applications, like laptops and CCTV cameras, Networking and peripherals, Gaming machines

## Electrical Specifications

Input Specifications	
<b>Rated Input Voltage</b>	100 to 240V
<b>Full Input Voltage Range</b>	90 – 264V ac
<b>Rated Frequency</b>	50/60Hz
<b>Full Frequency Range</b>	47/63Hz
<b>Efficiency</b>	88%
<b>Input Current (RMS Max.)</b>	500mA
<b>Inrush Current</b>	50A Max. at 115VAC cold start 100A Max. at 230VAC cold start
<b>Leakage Current (max.)</b>	0.25A

Output Specification	
Output Voltage Rating	12 V dc
Output Current Range	5A
Rated output Power	60W
Ripple & Noise (max.)	150mVp-p
Line Regulation	±5%
Load Regulation	±5%
No Load Power Consumption	<0.1W
Overload Protection	<10A output load
Over Voltage Protection	Protection zener
Short Circuit Protection	Output shut down auto recover

## Mechanical Specifications

Housing Material	Fully Enclosed Plastic Case
Overall Dimensions	118 x 51.4 x 34mm
Overall Length	118mm
Overall Depth	34mm
Overall Width	51.4mm
Weight	130g

## Operation Environment Specifications

Operating Humidity	20% to 80%
Cooling	Natural convection
Operating Temperature Range	-0°C to 40°C
Storage Temperature Range	-40°C to 85°C

## Approvals

Safety Standard	GS,CB,CE,UL/CUL,RCM, R-MEPS
EMC Emission	FCC Class B, CE

