

## FEATURES

- Universal AC input
- Fully regulated output
- Overvoltage and short circuit protected
- High-efficiency
- High MTBF
- Limited power source
- Operating temperature ranges between 0°C and 40°C

## RS PRO 24V Power Supply, 6.25A, 3-Pin IEC Connector

RS Stock No.: 175-2800



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 24V power supply is a high-quality desktop AC adapter. This range of switch-mode power supply provides 150W of continuous output power in a high-quality compact enclosure suitable for many general power applications. It has an input frequency of 47-63Hz. While the input voltage range is 90-264VAC (wide range). Its maximum input current is 2.5A. It gives fully regulated output. The most important factor is it is short circuit protected. It is a reliable product and thus it has high MTBF. It has thermal protection of latching type. The desktop power supply overall cable length is 173mm. It has low power consumption, less than 0.10W. These Desktop Power Supplies Complies with ERP II & Level VI energy regulations and have a high-efficiency rating, no-load power consumption and low leakage current and Complies with the relevant safety and EMC standards.

## General Specifications

<b>Input Connector</b>	IEC -C14
<b>Input Plug type</b>	3-Pin IEC
<b>Output Connection Type</b>	2.1 x 5.5 mm Connector
<b>Number of Outputs</b>	1
<b>Energy Efficiency Level</b>	VI
<b>Cable Length</b>	1.5m
<b>MTBF</b>	50000 hours
<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 to 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>	1.6A Max.
<b>Inrush Current</b>	80A Max. at 230VAC cold start
<b>Leakage Current (max.)</b>	<3.5mA

Output Specification	
Output Voltage Rating	24 V
Output Current Range	6.25A
Rated output Power	150W
Ripple & Noise (max.)	240mVp-p
Line Regulation	±3%
Load Regulation	±5%
Holdup Time	5ms
No Load Power Consumption	<0.1W
Overload Protection	I out 170% Max.
Over Voltage Protection	V out 150% Max.
Short Circuit Protection	Automatic recovery after short circuit fault being removed

## Mechanical Specifications

Housing Material	Fully Enclosed Plastic Case
Overall Dimensions	173mm x 71mm x 37mm
Overall Length	173mm
Overall Depth	37mm
Overall Width	71mm
Weight	620g

## Operation Environment Specifications

Operating Humidity	10% to 90%
Cooling	Natural convection
Operating Temperature Range	-0°C to 40°C
Storage Temperature Range	-10°C to 80°C

## Approvals

Safety Standard	CUL / UL / GS / PSE / BSMI / RCM / CCC
EMC Emission	FCC Class B, CE

