

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 12V dc Power Supply, 0 → 10A, 3-Pin IEC Connector

RS Stock No.: 144-0990



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.

General Specifications

Input Connector	IEC C14
Input Plug type	C14
Output Connection Type	4-Pin Power DIN
Number of Outputs	1
Energy Efficiency Level	VI
Cable Length	1.2m
MTBF	50000 hours
Application	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	
Rated Input Voltage	100 to 240V
Full Input Voltage Range	85 to 264V ac
Rated Frequency	50/60Hz
Full Frequency Range	47/63Hz
Efficiency	88%
Input Current (RMS Max.)	2.5A Max.
Inrush Current	80A Max. at 240VAC cold start
Leakage Current (max.)	3.5mA

Output Specification	
Output Voltage Rating	12 V
Output Current Range	10A
Rated output Power	120W
Ripple & Noise (max.)	150mVp-p
Line Regulation	±3%
Load Regulation	±5%
Holdup Time	5ms
Rise/Delay Time	3s
No Load Power Consumption	<0.25W
Overload Protection	The power supply will be auto recovered when short circuit faults remove.
Over Voltage Protection	The power supply shall protection when the output over voltage
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

Operation Environment Specifications

Operating Humidity	10% to 90%
Cooling	Natural convection
Operating Temperature Range	-0°C to 40°C
Storage Temperature Range	-20°C to 80°C

Approvals

Safety Standard	CCC, CE, CULus, FCC, TUV, UL
EMC Emission	FCC Class B, CE

