FEATURES

- **Universal AC input**

- **Fully regulated output**

- **Overcurrent, overvoltage and short circuit protection**

- **High-efficiency**

- **High MTBF**

- **Limited power source**

RS PRO 12V dc Power Supply, 24W, 0 → 2A

RS Stock No.: 175-3271

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 12V power supply AC/DC switch-mode power desktop AC adapter. This range of switch-mode power supply provides 24W 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 500mA. 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 overall cable length of this desktop power supply is 80.6mm. It has low power consumption, less than 0.10W.

General Specifications

Input Connector	IEC 320-C14
Output Connection Type	R/A 2.1 C+
Number of Outputs	1
Energy Efficiency Level	VI
Cable Length	1530mm
Medical Approved	No
Applications	Laptops and CCTV cameras, Networking and peripherals, Gaming machines

Electrical Specifications

Input Specifications	
Rated Input Voltage	100 to 240V ac
Full Frequency Range	50Hz to 60Hz
Efficiency	86.8%
Input Current (RMS Max.)	600mA
Inrush Current	No Damage
Leakage Current (max.)	<3.5mA

Output Specification	
Ripple & Noise (max.)	150mVp-p
Line Regulation	±5.0%
Load Regulation	±5.0%
Overload Protection	<=3.5A protection load
Over Voltage Protection	<=16V
Short Circuit Protection	Yes

Mechanical Specifications

Overall Dimensions	80.6mm x 31mm x 50mm
Overall Length	80.6mm
Overall Depth	31mm
Overall Width	50mm
Weight	130g

Operation Environment Specifications

Operating Humidity	20% to 80%
Operating Temperature Range	0°C to 40°C
Storage Temperature Range	-10°C to 70°C

Approvals

Safety Standard	UL,IEC,CE,EN