

Features

- Desktop
- DOE Level VI Efficiency
- 12vdc Single Output
- 2.5 C+ Connector
- 42 Watts
- C14 Input Socket

RS PRO AC/DC Adapters

RS Stock No.: **0304022**



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AC/DC Adapters

Product Description

This Desktop 12vdc 42watt power supply is a compact design with an IEC C14 Input socket

- Desktop with C14 Input
- 2.5 C+ Connector

General Specifications

Type	Switched Mode Power Supply
Input Plug Type	C14
Output Connector	2.5x5.5x12mm C+ve
Input Connector	C14
Cable Length	1.5mtr
Cable Type	18 AWG Round
Power Indicator	Yes
Over Current Protection	Yes
Short Current Protection	Yes
Over Current Protection	Yes
MTBF	50000 hours at maximum load
Medical Approval	No

Electrical Specifications

Input Specifications

Rated Input Voltage	100 to 240V ac
Full Input Voltage Range	90 – 264V ac
Rated Frequency	50/60Hz
Full Frequency Range	47/63Hz
Efficiency	88%
Power Factor	
Input Current (RMS Max.)	1.2A Max
Inrush Current	40A Max
Leakage Current (max.)	0.25mA / 240V ac
Input Protection	Thermal fuse in Primary; Current Limit, Short Circuit

Output Specifications

Output Specifications		
Output Voltage	12vdc	
Maximum No load Voltage	12vdc	
Output Maximum Current	3.5A	
Output Minimum Current	0A	
Output Regulation	+/-10%	
Rated Power	36W	
Start Up Delay	3 seconds Max	
Start Up Rise Time	100ms	
Hold Up Time	5ms	
Transient Response		
Number of Outputs	1	
Efficiency	88%	
Efficiency Level	VI	
Output Voltage Precision	5%	
Ripple & Noise	150mV max	
Turn On Delay	3 Seconds Max.	
Insulation Class	I	
Switching Frequency	70KHz	
Isolation Resistance	100MΩ @500V dc	
Voltage Isolation	Input-Output	1500VAC 10mA 1 minute
	Input-Ground	1500VAC 10mA 1 minute
	Output-Ground	

Mechanical Specifications

Dimension	
Length	119mm
Width	49mm
Depth	39mm
Weight	250g

Operation Environment Specifications

Operating Humidity	20% to 85% RH non-condensing
Cooling	Natural convection
Operating Temperature Range	0 to 40°C
Storage Temperature Range	-20 to 60°C
Temperature Coefficient	
Altitude During Operation	3000m
Vibration Resistance	To IEC-68-2-6
Shock Resistance	

Approvals

Compliance/Certifications	<u>CE/UKCA/UL/PSE/KCC/CCC/SAA</u>
Declarations	MFR Declaration of Conformity
Medical Approval	NO

