

## Features

- UK Plug Top
- DOE Level VI Efficiency
- 2.1 C+ve Connector
- Compact Design
- 36 Watts

## RS PRO AC/DC Adapters

RS Stock No.: **0304008**



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# AC/DC Adapters

## Product Description

This compact 24vdc 36watt UK Plug Top power supply is suitable many applications with a maximum load of 2amps

- UK Plug Top
- 2.1 DC Connector

## General Specifications

Type	Switched Mode Power Supply
Input Plug Type	UK Plug Top
Output Connector	2.1x5.5x12mm C+ve
Input Connector	UK
Cable Length	1.5mtr
Cable Type	2 core Fig 8
Power Indicator	No
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	87%
Power Factor	
Input Current (RMS Max.)	1.3A
Inrush Current	70A Max
Leakage Current (max.)	0.25mA / 240V ac
Input Protection	Thermal fuse in Primary; Current Limit, Short Circuit

#### Output Specifications

Output Voltage	24V dc	
Maximum No load Voltage	24V dc	
Output Maximum Current	1.5amp	
Output Minimum Current	0A	
Output Regulation	+/-5%	
Rated Power	36W	
Start Up Delay	20ms	
Start Up Rise Time	20ms	
Hold Up Time	20ms	
Transient Response		
Number of Outputs	1	
Efficiency	87%	
Efficiency Level	VI	
Output Voltage Precision	5%	
Ripple & Noise	200mV	
Turn On Delay	4 Seconds Max.	
Insulation Class	II	
Switching Frequency	70KHz	
Isolation Resistance	100MΩ @500V dc	
Voltage Isolation	Input-Output	3000V ac
	Input-Ground	
	Output-Ground	

### Mechanical Specifications

Dimension	
Length	72mm
Width	43mm
Depth	29mm
Weight	100g

**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 80°C
Temperature Coefficient	
Altitude During Operation	3000m
Vibration Resistance	To IEC-68-2-6
Shock Resistance	

**Approvals**

Compliance/Certifications	<u>CE/UKCA</u>
Declarations	MFR Declaration of Conformity
Medical Approval	NO

