

## Features

- Universal Input 90~264VDAC
- Direct UK Fixed Plugtop Adapters
- UKCA & RoHS
- BS EN IEC 62368-1
- EMC Class B
- Single Output 12V DC
- OVP, OLP, SCP

## RS PRO Desktop Power Supplies

RS Stock No.: 0625741



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 product is a reliable and efficient 12W External AC/DC UK Plugtop Adapter Power Supply.  
Designed for use in applications such as telecoms, computing, and multimedia systems.  
This Product is supplied with a UK Fixed input connection and supports input voltages of 90~264V AC 50~60Hz.

Certified to UKCA, RoHS and compliant with BS EN IEC 62368-1.  
This product is built for seamless integration into complex ITE, audio, and video system environments.

## General Specifications

Input Connector	UK Fixed
Output Connection Type	Jack connector 12 + 0.5mm
Number of Outputs	1
Energy Efficiency Level	VI
Mounting Style	Desktop
MTBF	265.8Khrs min.
Cable Length	1.5m
Medical Approved	Yes

## Electrical Specifications

Input Specifications	
Rated Input Voltage	100-240VAC
Full Input Voltage Range	90~264V AC
Rated Frequency	50/60Hz
Full Frequency Range	50/60Hz
Efficiency	80%
Input Current (RMS Max.)	0.2A/115VAC
Inrush Current	Start 50A/200us at 230VAC 50Hz
Leakage Current (max.)	<0.25mA/230VAC

Output Specifications	
Ripple & Noise (max.)	300mVp-p
Voltage Tolerance	±5.0%
Hold Up Time (Typ.)	1.0s,30ms,25ms/230VAC(at full load)
Operating Humidity	20 ~ 95%RH Non-condensing
Storage Humidity	-40 ~ +85□,10 ~ 95%RH Non-condensing
Operating Temperature Range	-20 ~ +70□(Please refer to "Derating Curve"section)
Storage Temperature Range	-20 ~ +70□

## Mechanical Specifications

Housing Material	Fully Enclosed Plastic Case
Overall Dimensions	62 x 48 x 38 mm
Overall Length	62mm
Overall Depth	38mm
Overall Width	48mm

## Protection Category

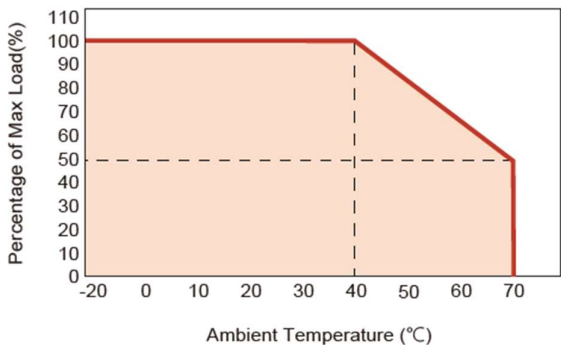
Over Voltage Protection	120~180% Shut down o/p voltage, re-power on to recover.
Over Load Protection	105~150% Hiccup mode, recovers automatically after fault condition is removed
Short Circuit Protection	Yes, Shut down o/p voltage, re-power on to recover.

## Approvals

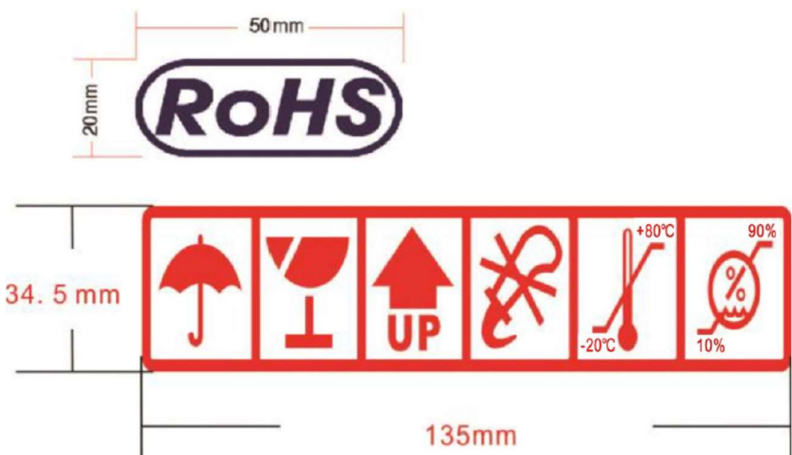
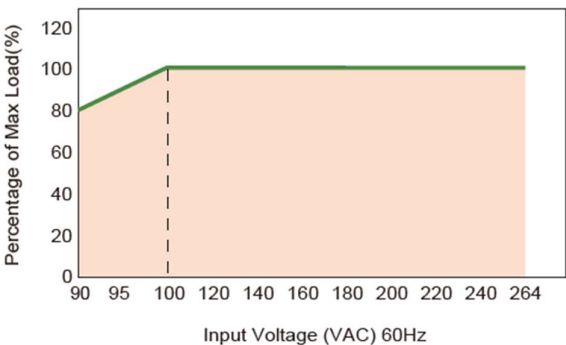
Safety Standard	BS EN IEC 62368-1
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Feature Curves

1. Derating Curve



2. Static Characteristics



Standard Model : D1J

D1J	Pin Assignment
