

## FEATURES

- No Load Power
- Consumption <0.5 W
- Rated Current 12.5 A
- DC Voltage 12 V
- Small compact design
- Cooling by free air convection
- High efficiency
- Long life
- High reliability
- Universal input
- Able to withstand 5G vibration test
- UL & CE Approved

## RS PRO, 150W Embedded Switch Mode Power Supply SMPS, 12V dc, Enclosed

RS Stock No.: 161-8297



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 ATTRIBUTE 1

The 150 W enclosed power supply range has been specially designed to offer high efficiency, long life and high reliability for use in a variety of applications. This range comprises of 4 models with outputs of either 12 V, 24 V, 36 V or 48 V. Each model is RoHS, CE, UL approved and come with a three year warranty.

## General Specifications

<b>Model</b>	4 models with outputs of either 12 V, 24 V, 36 V or 48 V
<b>Mounting Type</b>	Chassis Mount
<b>Package Type</b>	Enclosed
<b>Applications</b>	Industrial control system, Mechanical and electrical equipment

## Electrical Specifications

Input Specification	
<b>Voltage Range</b>	85~132VAC/170~264VAC, Selected by switch
<b>Frequency</b>	47 to 63Hz
<b>Inrush Current</b>	60A/230VAC
<b>Leakage Current (max.)</b>	<0.75mA / 240V ac

<b>DC Voltage</b>	12V
<b>Ripple &amp; Noise (max.)</b>	150mVp-p
<b>Rated Current</b>	12.5A
<b>Rated Power</b>	150W

<b>Rise Time</b>	≤ 30ms 100% Rated Load
<b>Hold Up Time</b>	30ms/ 100% Rated Load
<b>No Load Power Consumption</b>	≤0.5W
<b>Overload Protection</b>	120 ~ 150% of rated output, auto-recovery
<b>Over Voltage Protection</b>	115%-135% rated output voltage, Shut down o/p voltage, re-power to recover
<b>Short Circuit Protection</b>	Hiccup Mode, auto-recovery
<b>Isolation Resistance</b>	I/P-O/P,I/P-FG,O/P-FG:100MΩ/500VDC/25°C/70%RH

## Mechanical Specifications

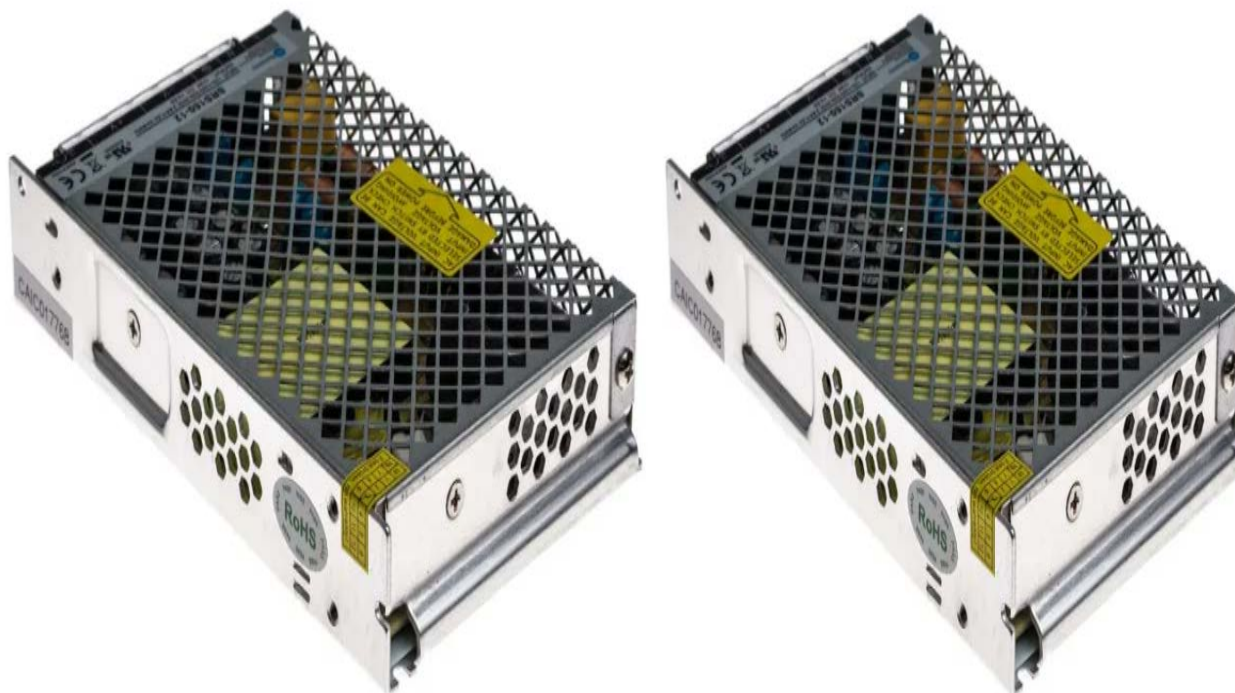
<b>Overall Dimensions</b>	99mm x 30mm x 82mm
<b>Overall Length</b>	99mm
<b>Overall Depth</b>	30mm
<b>Overall Width</b>	82mm
<b>Weight</b>	480g

## Operation Environment Specifications

<b>Operating Humidity</b>	20% to 95% RH non-condensing
<b>Cooling</b>	free air convection
<b>Operating Temperature Range</b>	-30°C to 70°C
<b>Storage Temperature Range</b>	-40°C to 80°C
<b>Temperature Coefficient</b>	± 0.03% /°C (0°C - 50°C)
<b>Altitude During Operation</b>	5000m
<b>Vibration Resistance</b>	10~500Hz, 5G, 10min/cycle, X, Y, Z 60min in each direction

## Approvals

<b>Safety Standard</b>	CE, UL60950-1, EN60950-1
<b>EMC Emission</b>	EN55022 CLASS B



Mechanical Drawing

