

FEATURES

- 100 to 240V ac Input range
- Single Output 12-30V DC
- High efficiency
- Over temperature protection
- 2.1x5.5x12mm Barrel Plug

Desktop Power Supplies

RS Stock No.: 255-8079



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 Range of 150-watt AC/DC switch mode power supplies provide 150 watts of continuous output power in a high-quality compact enclosure, suitable for many general power applications.

General Specifications

Input Connector	IEC C14
Output Connection Type	2.1x5.5x12mm Barrel Plug
Number of Outputs	1
Energy Efficiency Level	VI
Mounting Style	Desktop
MTBF	50,000hours at 25°C, Full load and nominal input condition
Cable Length	1500mm (18AWG)
Medical Approved	No

Electrical Specifications

Input Specifications	
Rated Input Voltage	100 to 240V ac
Full Input Voltage Range	90 – 264V ac
Rated Frequency	50/60Hz nominal
Full Frequency Range	47/63Hz
Efficiency	88%
Input Current (RMS Max.)	2.5A
Inrush Current	80A at 100-240Vac input and Max load for a cold start at 25°C
Leakage Current (max.)	3.5mA @ 264V ac

Output Specification	
Ripple & Noise (max.)	300mVp-p
Voltage Tolerance	±5.0%
Line Regulation	±3.0%
Load Regulation	±5.0%
Hold Up Time (Typ.)	5ms @ Full load & 100Vac/60Hz input turn off at worst case
Overload Protection	Hiccup mode, recovers automatically after fault condition is removed
Over Voltage Protection	Shut down o/p voltage, re-power on to recover
Over Temperature Protection	Shut down o/p voltage, re-power on to recover
Short Circuit Protection	Yes

Mechanical Specifications

Housing Material	Fully Enclosed Plastic Case
Overall Dimensions	172 x 71 x 37mm
Overall Length	172mm
Overall Depth	37mm
Overall Width	71mm

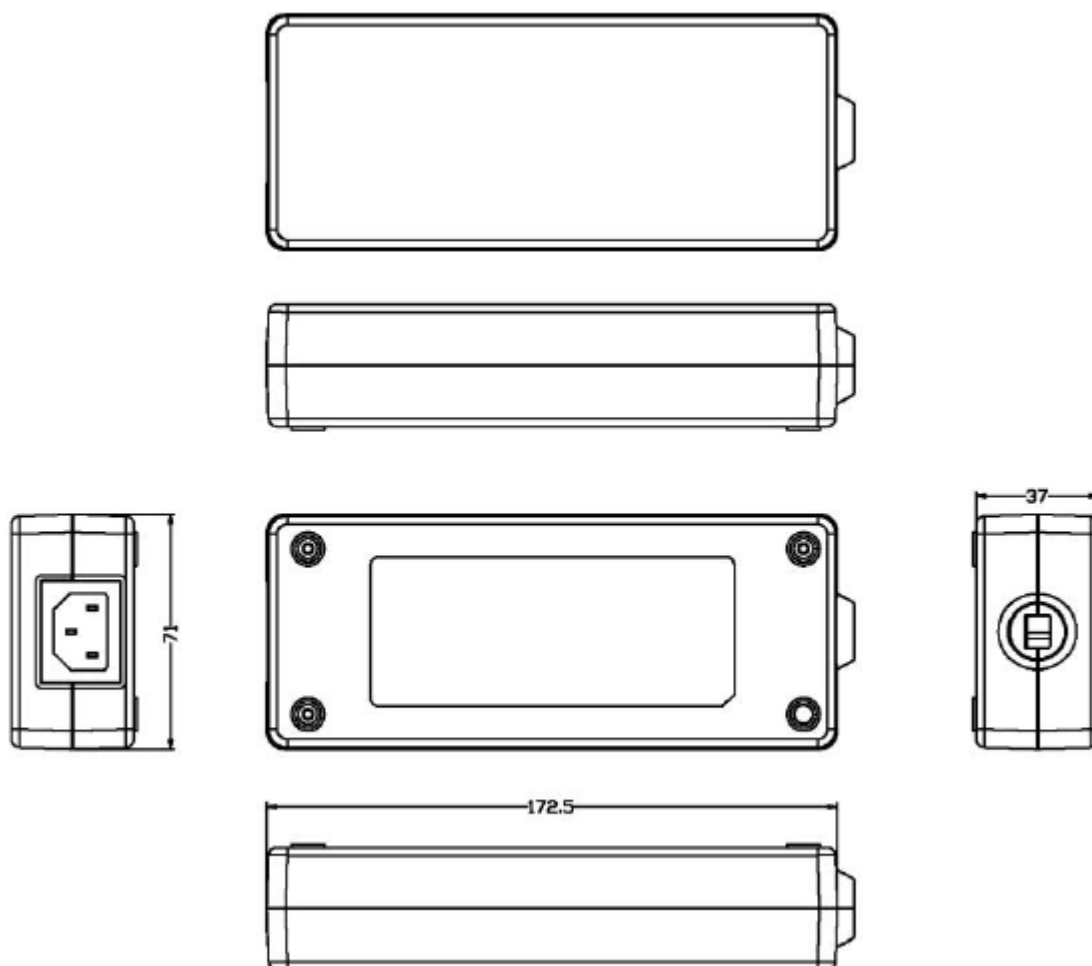
Operation Environment Specifications

Cooling	Natural convection
Operating Temperature Range	-0 to 45°C / 10% to 90% RH
Storage Temperature Range	-20 to 80°C / 5% to 90% RH non-condensing
Vibration Resistance	10-300Hz, 1G, along X, Y,Z each Axis, 60 min for each Axis

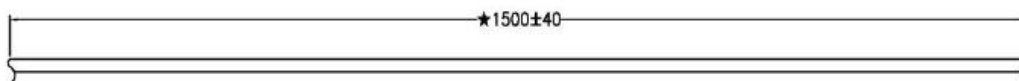
Approvals

Safety Standard	IEC/EN/UL62368-1
EMC Emission	Compliance to FCC Part15, EN55032, EN55035, EN61000-4-2/4/5

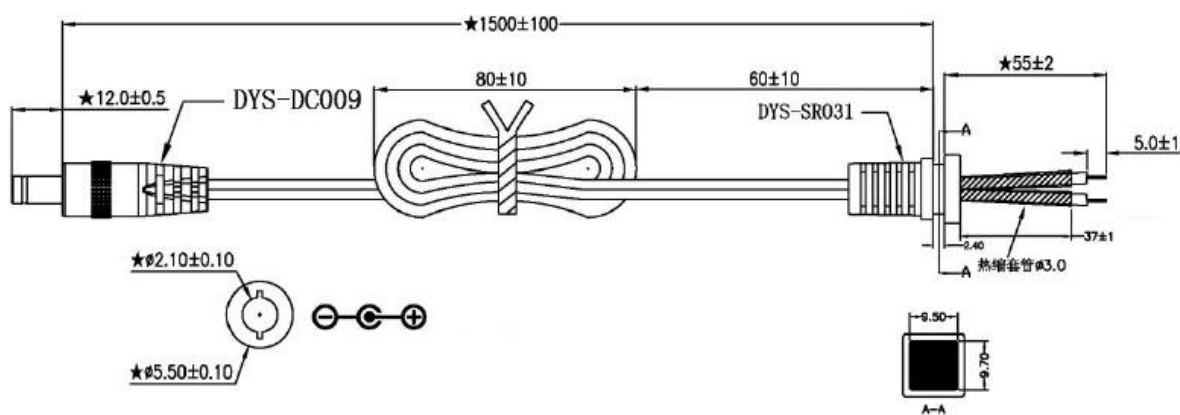
Mechanical Drawing



Cables

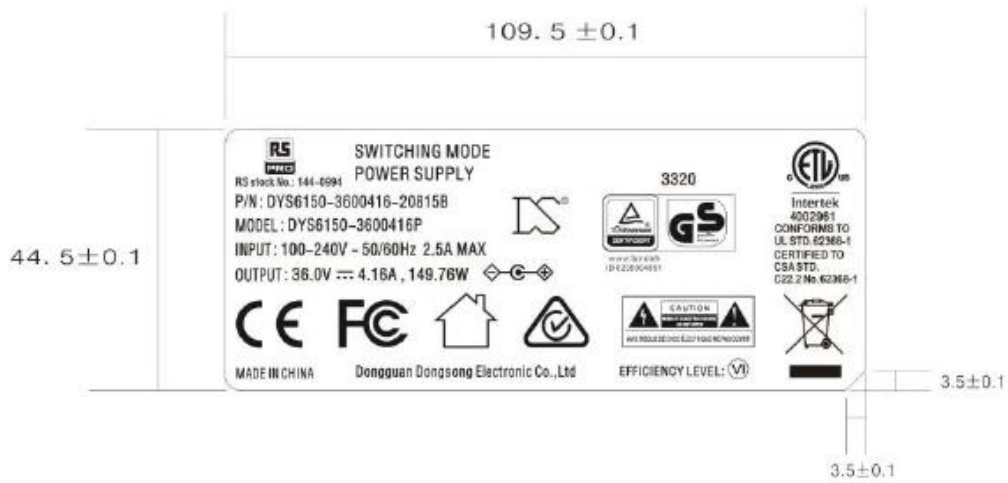


1, UL 2468 18AWG



1, DC PLUG: $\phi 2.1 * \phi 5.5 * 12.0$
 2, SR SIZE: $9.7 * 9.5 * 2.4$

Labels & Packaging



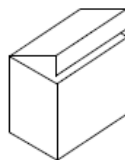
MECHANICAL DIMENSION:

	L(mm)	W(mm)	H(mm)
PLASTIC BAG	330	150	
WHITE BOX	230	130	55
CARDBOARD	470	285	
PAPER CASE	480	295	300

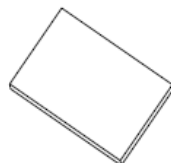
PLASTIC BAG/PE袋



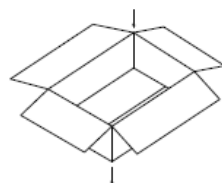
WHITE BOX/白盒



CARDBOARD/纸板



PAPER CASE/纸箱



PACKING METHOD:

PACKING METHOD	5PCS/LAYER *4LAYERS
QTY	20PCS
N.W	12.0Kg
G.W	14.0Kg