

## Features

Universal Input Voltage Range  
90~264V AC

Approved to UL, GS, SAA, CE, FCC,  
TUV, RoHS & REACH

IEC/EN62368-1, EN62368-1 Safety  
Approved

88% Efficiency

OCP, SCP, OVP

Single Output 12V DC

120 Wattage



## 15DYS8150-1201000P-RS

120W External AC/DC Desktop Power Supply



The 15DYS8150-1201000P-RS Series is a consistent and reliable External Power Supply (PSU)>Desktop Power Supply. Designed for use in applications such as commercial AV, broadcasting and control panels. This series is supplied with a IEC C14 input connection.

### Model Number Information

15DYS8150-1201000P-RS

Series  
Name

### Models

Model Number	DC Voltage (V)	Rated Current (A)	Rated Power (W)	Efficiency (%)	Ripple & Noise(max.) (mVp-p)
15DYS8150-1201000P-RS	12	10	120	88	200

Input Specifications	
Rated Voltage Range	100~240VAC
Voltage Range	90~264VAC
Frequency Range	47~63Hz
AC Current	2.5Amax @ 100-240Vac input & Full load 100 – 240 Vac
Efficiency	88%
Inrush Current	The inrush current will not exceed 80A at 100-240Vac input and Max load for a cold start at 25°C
Energy Consumption	While input 115Vac or 230Vac and the output is no load, the input power loss must be

Output Specifications	
Output Voltage Accuracy	5V Models $\pm 3\%$ 12/15/24V Models $\pm 2\%$
Minimum Load	0.0A
Line Regulation	$\pm 3\%$
Load Regulation	$\pm 5\%$
Turn - on Delay Time	3S max. @ 100 Vac to 240 Vac input & Full load
Hold-up Time	5mS min. @ Full load & 100Vac/60Hz input turn off at worst case
Capacitance Load	While input 100~240Vac and capacitance load is 470uF, the adapter can turn on normally and the output is in the rated range.
Output Overshoot / Undershoot	10% max. When the power on or off

Protection	
Over Current Protection	Over Current Point Limited $1 > 13\text{ A}$ The output shall hiccup when the over currents applied to the output rail, and shall be self-recovery when the fault condition is removed
Short Circuit	The input power shall decrease when the output rail short, the power supply shall no damage, and shall be self-recovery when the fault condition is removed
Over Voltage Protection	The power supply shall protection when the output over voltage

Environmental Characteristics	
Operating Temperature	0°C to +40°C
Relative Humidity	10%RH to 90%RH
Operating Temperature	Operating at $V_i$ nom, $I_o$ nom -25 +85 °C
Storage Temperature	-20°C to +80°C
Vibration	10 to 300Hz sweep at a constant acceleration of 1.0G(Breadth: 3.5mm) for 1Hour for each of the perpendicular axes X, Y, Z
Drop in	Height: 1m; the product should be fell off on the plank with the thickness of at least 53mm, and the plank should be put on the cement ground or on the ground without
Burn-in	The power supply shall be burn-in at least 4 Hours under normal input and 80% rated load at 40°C $\square$ 5°C
MTBF Qualification	The MTBF shall be at least 50,000hours at 25°C, Full load and nominal input condition

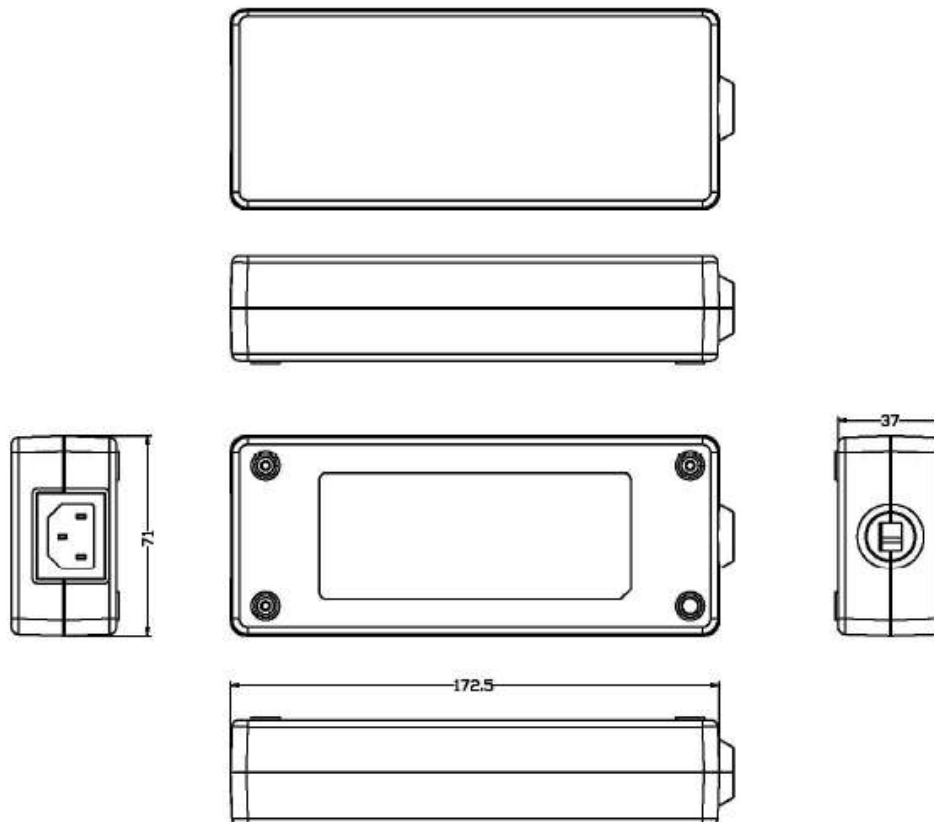
Safety	
Safety Standards	UL62368-1, IEC62368-1, EN62368-1,
EMI Standards	EN55032, FCC Part15 class B
EMS Standards	EN55035, IEC 61000-4-2, IEC 61000-4-4, IEC 61000-4-5
Certifications	UL, GS, SAA, CE, FCC, TUV, RoHS & REACH
Leakage Current	0.25mAmax. at 264Vac / 50Hz /
Insulation Resistance	50M $\Omega$ min. at primary to secondary add 500Vdc test voltage

## Dimensions & Weight

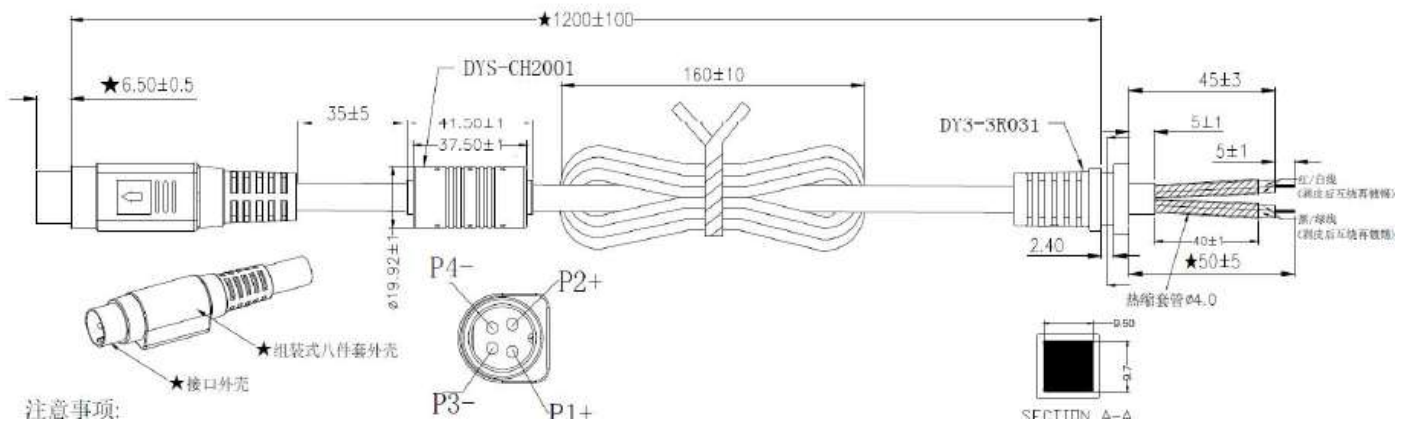
### Measurements

15DYS8150-1201000P-RS	172.5x71x37mm
Outer Carton	480 x 295 x 300 mm

## Outline Drawing



## DC Cord Drawing



## Label



Packaging

PLASTIC BAG/PE



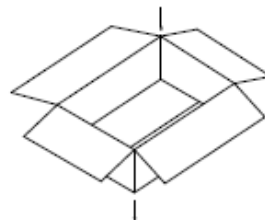
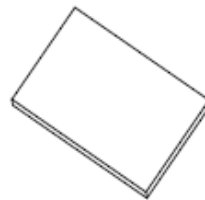
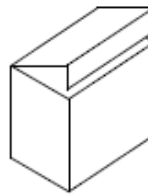
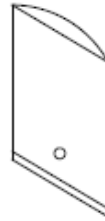
WHITE BOX/



CARDBOARD



PAPER CASE/

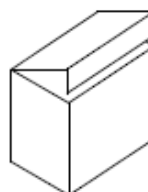


Packaging

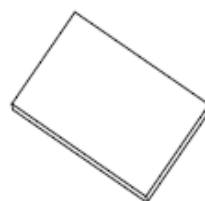
PLASTIC BAG/PE



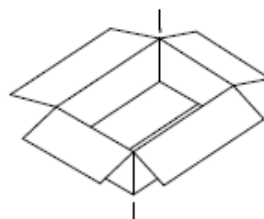
WHITE BOX/



CARDBOARD



PAPER CASE/



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L\*W\*H 480\*295\*300\*6mm

470\*285\*6mm

