

# SPD-A150P Series

**150W, Single Output  
Adapter power supply**



170 x 70 x 40 mm  
6.69 x 2.76 x 1.57 inch



## Features:

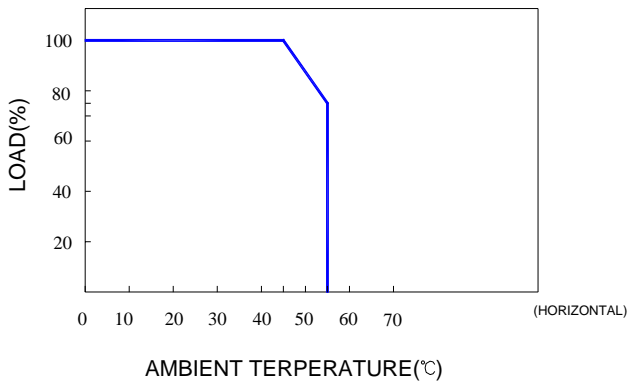
- \* Universal AC input with active PFC function, P.F.>0.95
- \* Over load, Over voltage, Short circuit , Over temp. protection
- \* Green mode function, No load < 1.5W
- \* High efficiency up 90%
- \* 100% full load burn-in test
- \* UL, cUL, TUV ,CB, CE standard

## Specification:

INPUT	<b>Voltage</b>	90V ~ 264VAC or 127V ~ 375VDC Universal full range.				
	<b>Frequency</b>	47 ---- 63 Hz				
	<b>Current</b>	<3.4A @115V , <1.7@230V AC input, full load condition				
	<b>Inrush Current</b>	<60A@115V , <120A@230V AC input. Cold start at 25°C ambient				
	<b>Leakage Current</b>	<1.5mA@264V AC input				
OUTPUT	<b>MODEL No.</b>	<b>SPD-A150P-12</b>	<b>SPD-A150P-15</b>	<b>SPD-A150-19</b>	<b>SPD-A150P-24</b>	<b>SPD-A150P-48</b>
	<b>Voltage</b>	12V	15V	19V	24V	48V
	<b>Min. Load</b>	0A	0A	0A	0A	0A
	<b>Max. Load</b>	11.3A	10A	7.9A	6.3A	3.2A
	<b>Regulation</b>	± 3%	± 3%	± 3%	± 2%	± 2%
	<b>Ripple Noise (MAX.)</b>	120mV	150mV	150mV	240mV	240mV
	<b>Efficiency (TYP.)</b>	87%	88%	88%	89%	90%
	<b>Output (MAX)</b>	136W	150W	150W	151W	154W
PROTECTION	<b>Over Voltage</b>	13.8~16.8V	17.3~21V	21.9~26.6V	27.6~33.6V	55.2~67.2V
	<b>Over Load</b>	Over 105%~ 150% of rating, shutdown and auto recovers after fault condition has been removed.				
	<b>Short Circuit</b>	Shutdown and auto recovers after fault condition has been removed.				
	<b>Over temp.</b>	Option, Over 95°C, the power supply will shutdown.				
ELEC. CHAR.	<b>Rise time</b>	<40mS				
	<b>Hold up time</b>	>20mS@230V, full load condition				
	<b>Green mode function</b>	Power consumption at No load < 1.5W				
ENVIRONMENT	<b>Temperature</b>	Operating: 0 ~ 55°C ; De-rating: 45 ~ 55°C : 2.5%/°C ; Storage: -20 ~ +85°C				
	<b>Humidity</b>	Operating: 20% ~ 80%; Storage: 10% ~ 90% (non condensing)				
SAFETY & EMC	<b>Safety standard</b>	UL 60950-1, CSA C22.2 No.60950-1, TUV EN 60950-1, IEC 60950-1, EMKO-TSE (74-SEC) 207/94 standard				
	<b>EMI</b>	EN 55022 CLASS B : EN 61000-3-2,3, FCC CFR 47 PART 15 CLASS B, CNS 13438 CALSS B.				
	<b>EMS</b>	EN 55024 : EN 61000-4-2,3,4,5,6,8,11				
OTHERS	<b>Withstand voltage</b>	I/P-O/P:3KVAC, I/P-PE:1.5KVAC, O/P-PE:0.5KVAC, 1minute				
	<b>Cooling</b>	Natural Cooling.				
	<b>M.T.B.F.</b>	310K hours				

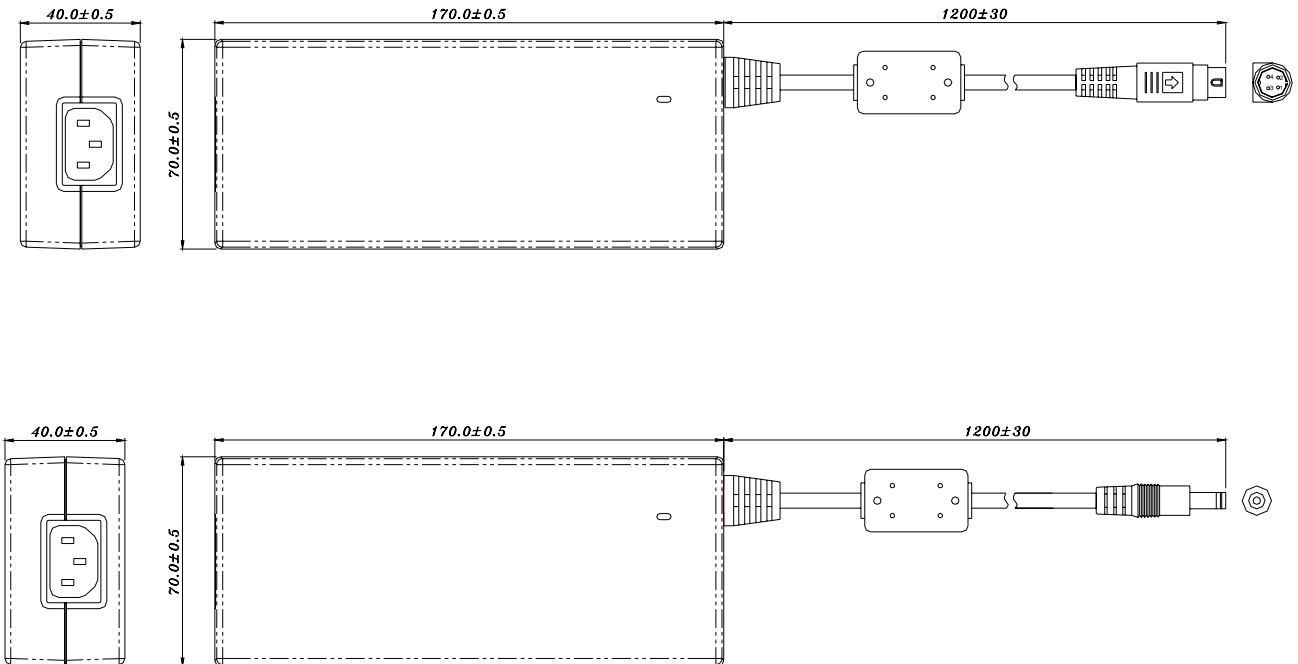
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## Derating Curve :



## Dimension:

(Unit: mm)



## Plug Assignment :

For 12V,15V,19V	
PIN No.	Output
1, 2	-V
3, 4	+V

For 24V,48V	
PIN	Output
center	+
ID 2.5*OD5.5	