



SUNPOWER TECHNOLOGY CORP.

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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:

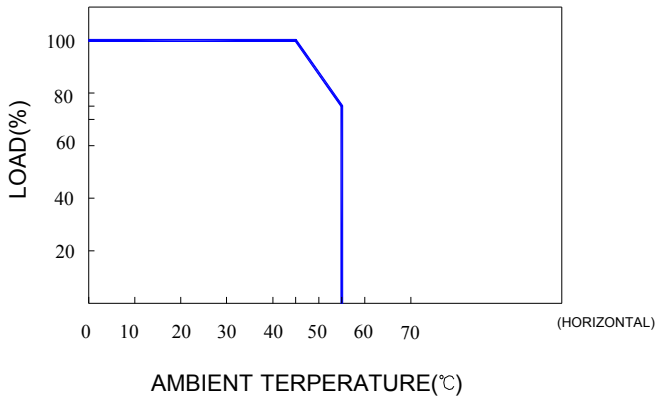
- * Universal AC input with active PFC function, P.F.>0.95
- * Over load, Over voltage, Short circuit , Over temp. protection
- * Green mode function, No load < 1.5W
- * High efficiency up 90%
- * 100% full load burn-in test
- * UL, cUL, TUV ,CB, CE standard
- * 2 years warranty

Specification:

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

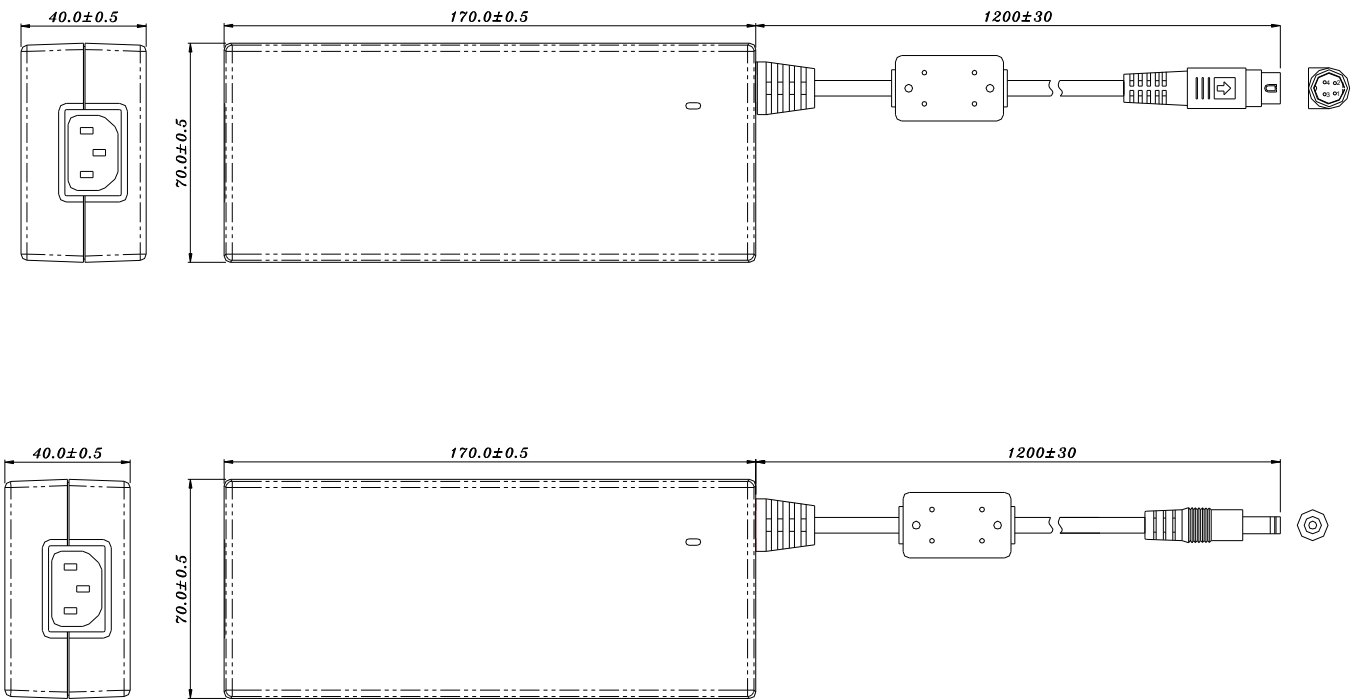
SPD-A150P Series

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	