



SUNPOWER TECHNOLOGY CORP.
 33485 WESTERN AVE. UNION CITY, CA 94587, UNITED STATES.
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SPS-120P Series

120W, Single Output
 Active P.F.C Function



99 x 178 x 35 mm
 3.9 x 7 x 1.38 inch



Features:

Universal AC input with active power factor correction, P.F.>0.95
Built in EMI filter, low ripple noise
Over load, over voltage, short circuit protection
Over temperature protection (Optional)
Output voltage $\pm 10\%$ adjustment
Remote Control ON/OFF (Optional)
Non min load requirement
100% 50 burn-in test
UL, cUL, TUV, ,CB, CE pending
2 years warranty

Specification:

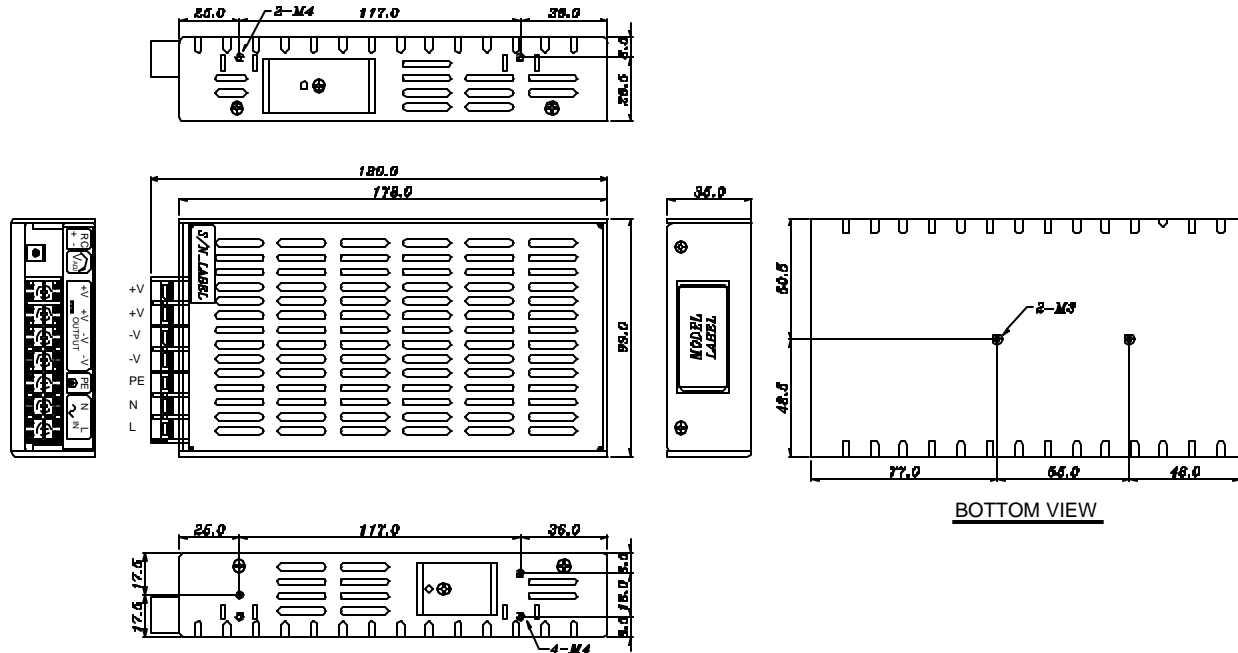
INPUT	Voltage	Universal input 85~264 VAC or 120~375VDC			
	Frequency	47 ---- 63 Hz			
	Current	<2.0 A max @100V AC input, full load condition			
	Inrush Current	<35A@115V / <70A@230V AC input, full load condition. Cold start at 25 ambient			
	Leakage Current	<1.5mA@264V AC input			
	Power Factor	Meet IEC 1000-3-2 class D standard, P.F.>0.95			
OUTPUT	MODEL	SPS-120P-3.3	SPS-120P-05	SPS-120P-7.5	SPS-120P-12
	Voltage	3.3 V	5 V	7.5 V	12 V
	Min. Load	0A			
	Max. Load	25 A	20 A	16 A	10 A
	Regulation	$\pm 3\%$	$\pm 2\%$	$\pm 2\%$	$\pm 1\%$
	Ripple Noise(MAX.)	50 mV	70 mV	80 mV	100 mV
	Efficiency (MIN.)	69 %	75 %	77 %	80 %
	Output(MAX.)	83 W	100 W	120 W	120 W
	MODEL	SPS-120P-15	SPS-120P-24	SPS-120P-30	SPS-120P-48
	Voltage	15 V	24 V	30 V	48 V
	Min. Load	0 A			
	Max. Load	8.0 A	5.0 A	4.0 A	2.5 A
	Regulation	$\pm 1\%$			
	Ripple Noise(MAX.)	120 mV	150 mV	180 mV	250 mV
Efficiency (MIN.)	80 %	81 %	81 %	81 %	
Output(MAX.)	120 W				
PROTECTION	Over Load Protection	Over 105% ~ 180% of rating, shutdown and recovers automatically after fault condition has been removed.			
	Over Voltage Protection	3.3V 3.8~4.6V	5V 5.8V~7.0V	7.5V 8.6~10.5V	12V 13.8~17.5V
		15V 17.3V~21.0V	24V 27.6~33.6V	30V 34.5V~42.0V	48V 55.2V~67.2V
	Short Circuit Protection	Shutdown and recovers automatically after fault condition has been removed.			
OTHERS	Setup time	<2S @ 115VAC			
	Rise time	<50mS			
	Hold up time	>20mS@230V			
	Cooling	Natural Cooling			
Environment	Temperature	Operating: 0~70 ; Derating: 45 ~70 : 2.5%/ . Storage: -10~+75 (non condensing)			
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)			
M.T.B.F.	224K hours				
SAFETY	UL 60950 3 rd , CSA C22.2 No. 60950 3 rd , TUV EN 60950-1 st , IEC 60950-1 st , CCC GB 4943(2001) EMKO-TSE(74-SEC)207/94 standard.				
EMC	EMI	FCC CFR 47 PART 15 CLASS B, EN 50081-1:1997, CNS 13438 CALSS B.			
	EMS	EN 50082-1 (1997)			
PACKING	N.W.: --Kg / 1pc; 18 pcs / 1.38 Cu ft ³ / 1 CTN				



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Dimension:

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BOTTOM VIEW

SC0201PSQ1_1.0