



SUNPOWER TECHNOLOGY CORP.
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SPS-100 Series

SPS-100P Series

100W, Single Output
P.F.C Function Optional



198 x 95 x 38 mm
7.80 x 3.74 x 1.50 inch



Features:				Application:				
* Power ON with LED indicator				* 19" Rack-Mount (Industrial computer system)				
* Built-in EMI filter, low ripple noise				* Industrial control system				
* Over load, over voltage pritection								
* Short circuit shutdown and auto recovery								
* Non min load requirement								
* Output voltage $\pm 10\%$ adjustment								
* 100% 50℃ burn-in test								
* UL, cUL, TUV ,CB, CE certified								
* 3 years warranty								
Specification:								
INPUT	Voltage		88V ~ 264VAC or 125V ~ 375VDC Universal full range.					
	Frequency		47 ---- 63 Hz					
	Current		<3A @100V AC input, full load condition					
	Inrush Current		<35A@115V / <70A@230V AC input. Cold start at 25℃ ambient					
	Leakage Current	SPS-100 Ser	<1.5mA@264V AC input					
		SPS-100P Ser	<2mA@264V AC input					
OUTPUT	MODEL No.		SPS-100-3.3	SPS-100-05	SPS-100-12	SPS-100-15	SPS-100-24	SPS-100-48
			SPS-100P3.3	SPS-100P05	SPS-100P12	SPS-100P15	SPS-100P24	SPS-100P48
	Voltage		3.3V	5V	12V	15V	24V	48V
	Min. Load		0A	0A	0A	0A	0A	0A
	Max. Load		25A	20A	9.8A	7.84A	4.9A	2.1A
	Regulation		$\pm 3\%$	$\pm 2\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$
	Ripple Noise (MAX.)		50mV	50mV	120mV	150mV	240mV	300mV
	Efficiency (TYP.)		66%	74%	78%	78%	80%	82%
	Output (MAX)		75W	100W	100W	100W	100W	100W
PROTECTION	Over Voltage		3.8~4.6V	5.8~7.0V	13.8~17.5V	17.3~21.0V	27.6~33.6V	55.2~67.2V
	Over Load		Over 105% ~ 180% of rating, shutdown and recovers automatically after fault condition has been removed.					
	Short Circuit		Shutdown, recovers automatically after fault condition has been removed.					
ELEC. CHAR.	Rise time		<20mS					
	Hold up time		>16.7mS@115V , >80mS@230V					
	Setup time		<3 Sec@115V AC , 1 Sec@230V AC					
ENVIRONMENT	Temp.		Operating: -10 ~ +70℃ ; De-rating: 50 ~ 70℃: 2.0%/℃ ; Storage: -20 ~ +85℃					
	Humidity		Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)					
SAFETY & EMC	Safety standard		UL 1950 3 rd , CSA C22.2 No.950-95 3 rd , TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC) 207/94 approved.					
	EMI		EN 55022 CLASS B : EN 61000-3-2,3 、 FCC CFR 47 PART 15 CLASS B 、 CNS 13438 CALSS B. (EN 61000-3-2,3 only for SPS-100P series).					
	EMS		EN 55024 : EN 61000-4-2,3,4,5,6,8,11					
OTHERS	Cooling		Natural Cooling.					
	M.T.B.F.	SPS-100 Ser.	277K hours					
		SPS-100P Ser.	271K hours					
	Packing		N.W.:0.79Kg / 1pc; 24pcs / 1.22 Cu ft ³ / 1 CTN					



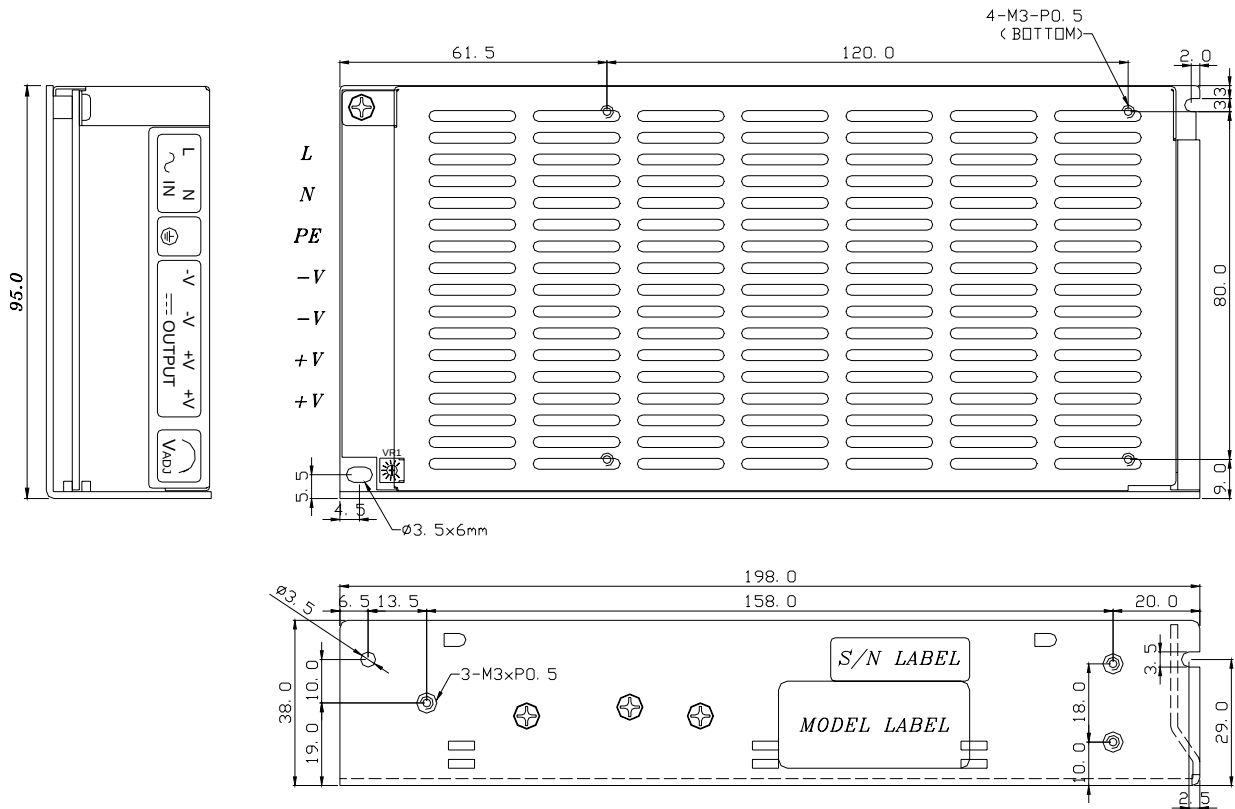
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SPS-100P Series

Dimension:

(Unit: mm)



NOTES:

TERMINAL BLOCK: 7P, PITCH 9.5mm

(SPS-100P SER. STRAIGHT PIN WITH PC COVER)