



SUNPOWER TECHNOLOGY CORP.
 33485 WESTERN AVE. UNION CITY, CA 94587, UNITED STATES.
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SPS-S100 Series

100W, Single Output



159 x 95 x 38 mm
 6.26 x 3.74 x 1.5 inch



(Pending, SPS-S100-3.3 is not included.)

Features:

Light weight, compact size
Universal AC input
Over load, over voltage & short circuit protection
Output voltage $\pm 10\%$ adjustment
Built-in EMI filter, low ripple noise
100% 50 burn-in test
Meet UL, cUL, CB, CE, TUV standard
2 years warranty

Specification:

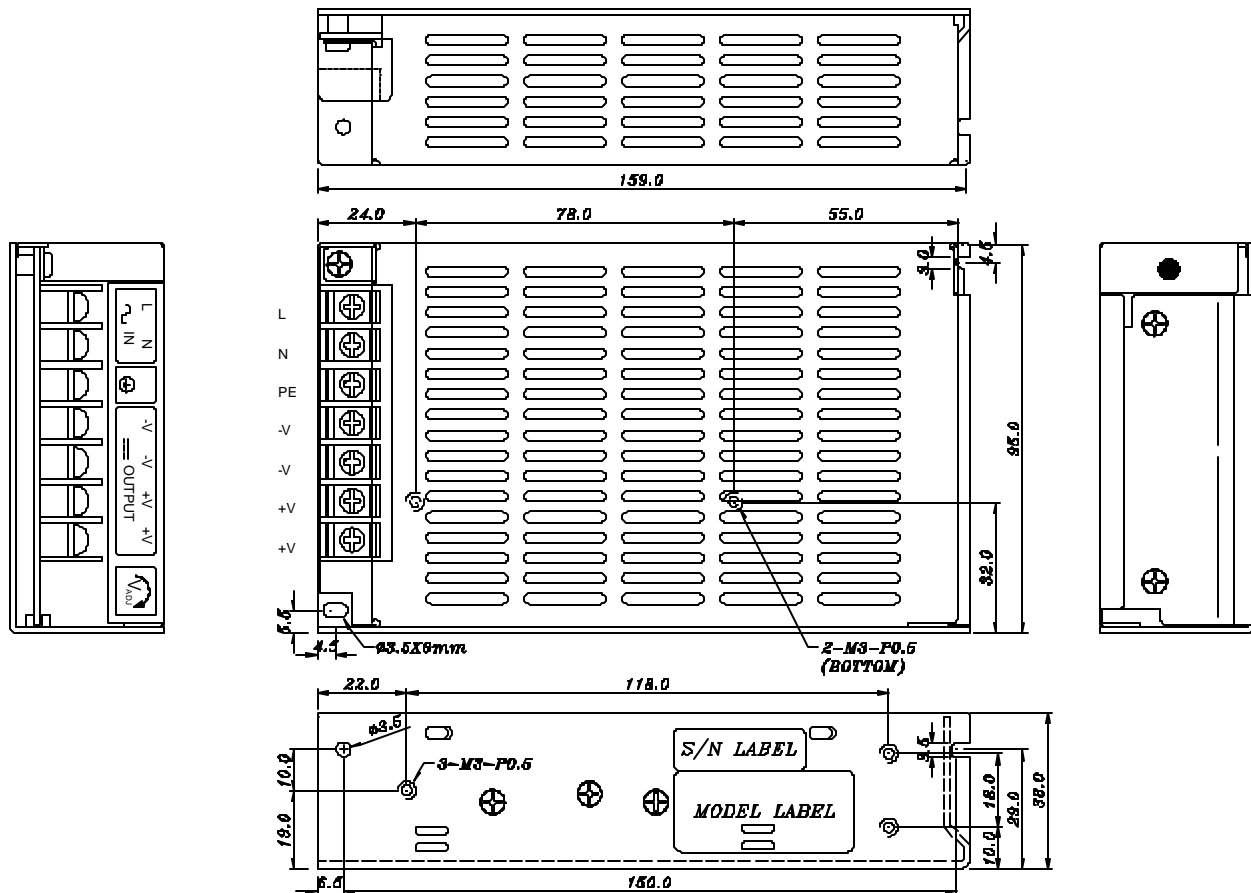
INPUT	Voltage	Universal input 88 ~ 264 VAC or 125 ~ 375V DC.								
	AC Frequency	47 ---- 63 Hz or DC input.								
	Current	<2.5A@100V AC input.								
	Inrush Current	<30A@115V / <60A@230V AC input.								
	Leakage Current	<1.5mA@264V AC input								
OUTPUT	MODEL	SPS-S100-3.3		SPS-S100-05		SPS-S100-7.5		SPS-S100-12		
	Voltage	3.3 V		5 V		7.5 V		12 V		
	Min. Load	0 A								
	Max. Load	20 A		16 A		11 A		8.5 A		
	Regulation	$\pm 2\%$		$\pm 2\%$		$\pm 2\%$		$\pm 1\%$		
	Ripple Noise(MAX.)	50 mV		50 mV		75 mV		120 mV		
	OVP	3.8 V ~4.6 V		5.8 V ~7.0 V		8.6V ~ 10.5V		13.8V ~ 17.5 V		
	Efficiency (TYP.)	70 %		77 %		78 %		81 %		
	MAX OUTPUT	66 W		80 W		83 W		102 W		
	MODEL	SPS-S100-24			SPS-S100-30			SPS-S100-48		
	Voltage	24 V			30 V			48 V		
	Min. Load	0 A								
	Max. Load	4.5 A			3.6 A			2.3 A		
	Regulation	$\pm 1\%$			$\pm 1\%$			$\pm 1\%$		
	Ripple Noise(MAX.)	240 mV			300 mV			300 mV		
OVP	27.6V ~ 33.6V			34.5V ~ 42V			55.2V ~ 67.2V			
Efficiency (TYP.)	84 %			84 %			85 %			
MAX OUTPUT	108 W			108 W			110 W			
PROTECTION	Over Voltage Protection	3.3 V	5 V	7.5 V	12 V	24 V	30 V	48 V		
		3.8 ~4.6 V	5.8 ~7.0 V	8.6 ~ 10.5V	13.8 ~ 17.5 V	27.6 ~ 33.6V	34.5V ~ 42V	55.2 ~ 67.2V		
	Shutdown, recovers automatically after fault condition has been removed.									
Over Load Protection	Over 105% ~ 150% of rating, shutdown and recovers automatically after fault condition has been removed.									
Short Circuit Protection	Shutdown, recovers automatically after fault condition has been removed.									
OTHERS	Rise time	<20mS								
	Hold up time	>10mS@115V, >50mS@230V								
	Setup time	<3Sec@115VAC, <1Sec@230VAC								
	Cooling	Natural Cooling								
Environment	Temperature	Operating: -10~70 De-rating: 45 ~ 70 :2.0%/ Storage: -20 ~ +75								
	Humidity	Operating: 20% ~ 85% Storage: 10% ~ 95% (non condensing)								
M.T.B.F.	300K hours									
SAFETY	UL 60950-1 st , CSA C22.2 No.60950-1-03 1 st , TUV EN 60950-1 st , IEC 60950-1 st , EMKO-TSE(74-SEC)207/94 standard. (SPS-S100-3.3 is not included.)									
EMC	EMI	EN 55022 CLASS B FCC CFR 47 PART 15 CLASS B CNS 13438 CLASS B.								
	EMS	EN 55024 EN 61000-4-2,3,4,5,6,8,11.								



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Dimension:

SPS-S100 Series



- NOTES:
1. MATERIAL : COVER SPCC & CHASSIS NATURAL ALUMINIUM.
2. TERMINAL BLOCK : 7P, PITCH 9.5 mm. (STANDARD)
3. UNIT:mm