



SUNPOWER TECHNOLOGY CORP.
16F-1, No.150, Jian Yi Rd., Chung Ho City, Taipei Hsien, Taiwan, R.O.C.
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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°C burn-in test
- * Meet UL, cUL, CB, CE, TUV standard
- * 2 years warranty

Specification:

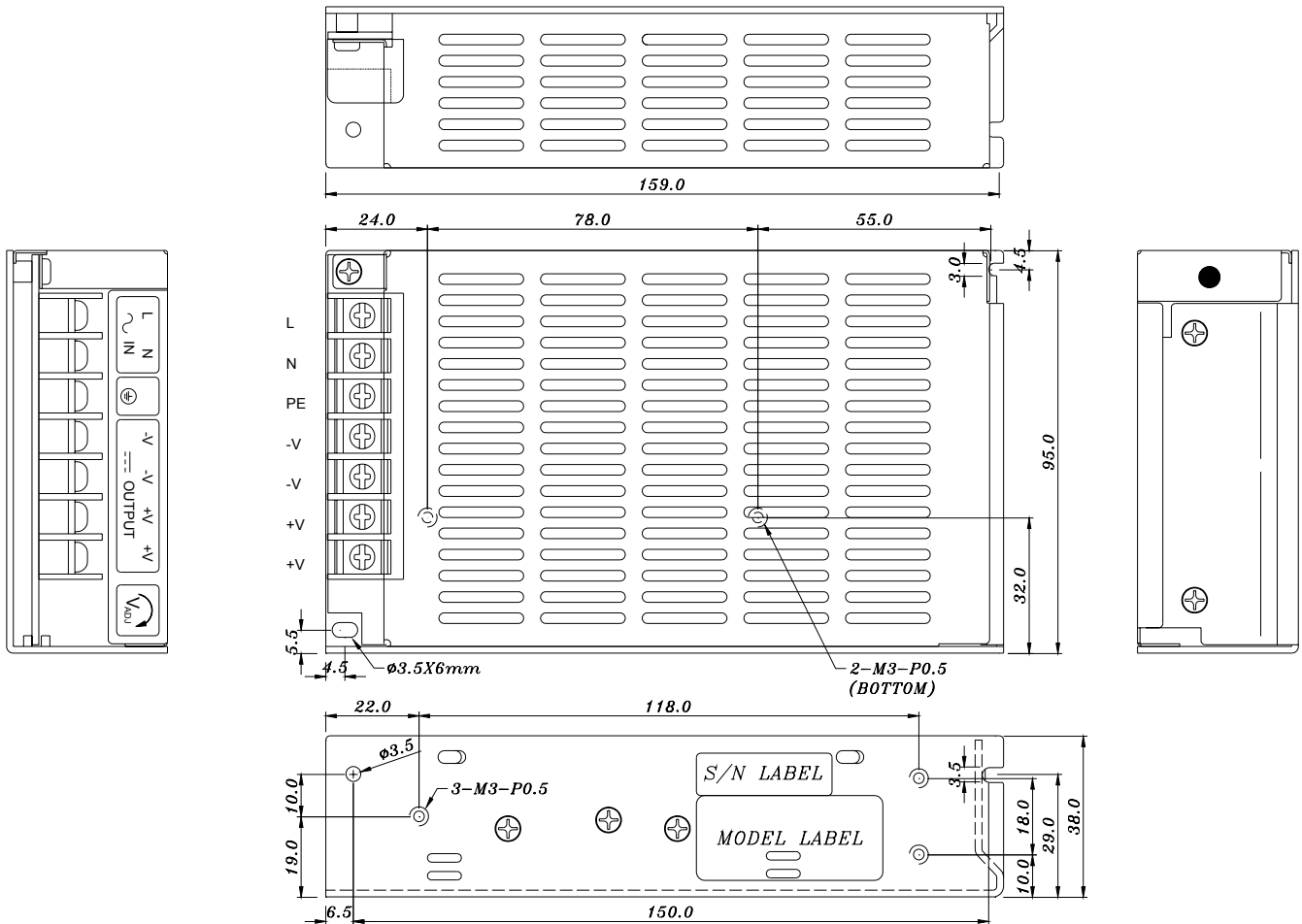
INPUT	Voltage	88 ~ 264 VAC or 125 ~ 375VDC, universal input.			
	AC Frequency	47 ----- 63 Hz or DC input.			
	Current	<2.5A@100V AC input.			
	Inrush Current	<30A@115V / <60A@230V AC input.			
	Leakage Current	<1.5mA@264V AC input			
OUTPUT	MODEL	SPS-S100-3.3	SPS-S100-05	SPS-S100-7.5	SPS-S100-12
	Voltage	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	±2 %	±2 %	±2 %	±1 %
	Ripple & Noise (MAX.)	50 mV	50 mV	75 mV	120 mV
	Efficiency (TYP.)	70 %	77 %	78 %	81 %
	MAX OUTPUT	66 W	80 W	83 W	102 W
	MODEL	SPS-S100-15	SPS-S100-24	SPS-S100-30	SPS-S100-48
	Voltage	15 V	24 V	30 V	48 V
	Min. Load	0 A			
	Max. Load	7 A	4.5 A	3.6 A	2.3 A
	Regulation	±1 %	±1 %	±1 %	±1 %
	Ripple Noise(MAX.)	120 mV	120 mV	250 mV	250 mV
	Efficiency (TYP.)	82 %	84 %	84 %	85 %
	MAX OUTPUT	105 W	108 W	108 W	110 W
PROTECTION	Over Voltage Protection	3.3V : 3.8 V ~ 4.6 V, 5 V : 5.8 ~7.0 V, 7.5 V : 8.6 ~ 10.5V, 12 V : 13.8 ~ 17.5 V, 15V : 17.3V ~ 21.0 V, 24 V : 27.6 ~ 33.6V, 30 V : 34.5V ~ 42V, 48 V : 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 st TUV EN 60950-1 : 2001 + A11 , 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