



SUNPOWER TECHNOLOGY CORP.
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SPS-110 Series

110W, Single Output



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



Features:

Universal AC input / Full range
High operating temperature and low storage temperature
Non min. load requirement
Power ON with LED indicator
Over load, over voltage, short circuit protection, shutdown and Auto recovery
Built-in EMI filter, low ripple noise
100% 50 burn-in test
Meet UL, cUL, TUV, CB, CE standard
Meet EMI EN55022 & EMS EN55024 standard
1 years warranty

Specification:

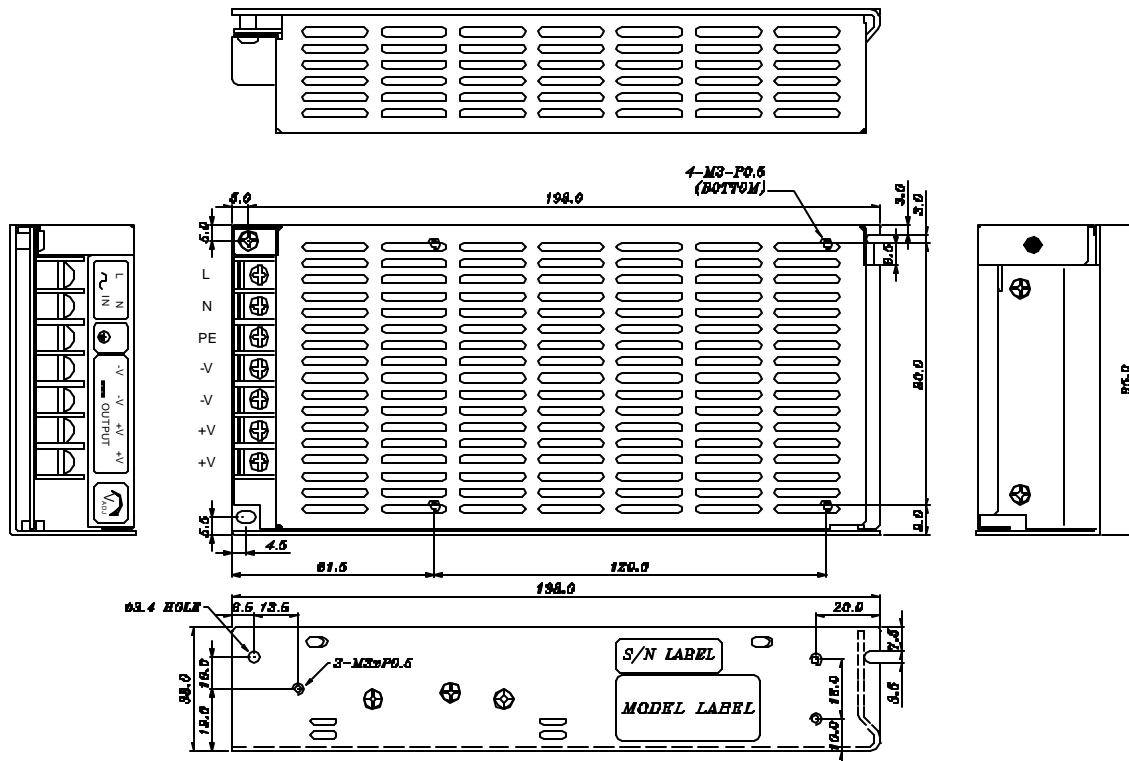
INPUT	Voltage	Universal full range 88 ~ 264 VAC or 125 ~ 375VDC.			
	Frequency	47 ---- 63 Hz or DC input.			
	Current	<2.7A@100V AC input.			
	Inrush Current	<25A@115V / <50A@230V AC input.			
	Leakage Current	<2mA@240V AC input			
OUTPUT	MODEL	SPS-110-3.3	SPS-110-05	SPS-110-7.5	SPS-110-12
	Voltage	3.3V	5V	7.5V	12V
	Max. Load	25A	20A	14A	9.2A
	Regulation	3 %	2 %	1 %	
	Ripple Noise (MAX.)	50mV	50mV	100mV	120mV
	Efficiency (TYP.)	71%	76%	76%	81%
	Max. Output	82.5W	100W	105W	110.4W
	MODEL	SPS-110-15	SPS-110-24	SPS-110-30	SPS-110-48
	Voltage	15V	24V	30V	48V
	Max. Load	7.5A	4.6A	3.7A	2.3A
	Regulation	1 %			
	Ripple Noise (MAX.)	150mV	240mV	300mV	480mV
	Efficiency (TYP.)	82%	85%	85%	86%
	Max. Output	112.5W	110.4W	111W	110.4W
PROTECTION	Over Voltage Protection	3.3V / +3.8 V ~4.6 V 15V / +17.3V ~ 21V	5V / +5.8 V ~7.0 V 24V / +27.6V ~ 33.6V	7.5V / +8.6V ~ 10.5V 28V / +34.5V ~ 42V	12V / +13.8V ~ 17.5 V 48V / +55.2V ~ 67.2V
	Over Load Protection	Shutdown when load over 105% ~ 150% of rating, recovers automatically after faultcondition has been removed.			
	Short Circuit Protection	Shutdown, recovers automatically after fault condition has been removed.			
OTHERS	Rise time	<50mS			
	Hold up time	>20mS@230V			
	Setup time	<3 Sec @115V, <1 Sec @230V			
	Output Voltage Adjustment	10% of rated voltage			
Environment	Temperature	Operating: -20~70 ; De-rating: 45 ~70 : 2.0%/ . Storage: -30~+75			
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)			
M.T.B.F.		270K hours			
SAFETY		UL 60950-1 st , CSA C22.2 No.60950-1 st , TUV EN 60950-1 st , IEC 60950-1 st , EMKO-TSE(74-SEC)207/94 standard.			
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:

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NOTES:

1. MATERIAL : COVER 0.6mm SPCC.
CHASSIS 1.6mm NATURAL ALUMINIUM.
2. TERMINAL BLOCK : 7P, PITCH 9.5 mm. (STANDARD)
3. UNIT:mm