



SUNPOWER TECHNOLOGY CORP.
16F-1, No.150, Jian 1st Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.).
TEL: 886-2-8226-3100 FAX: 886-2-8226-3111
http://www.sunpower.com.tw
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SPX-6250P1 / SPX-6300P1

250~300W, Six Output
For Industrial 1U System
Active P.F.C. Function



100 x 205 x 40.5 mm
3.94 x 7.08 x 1.60 inch



Features:

- * Universal full range AC input with active PFC, P.F.> 0.95
- * Built in EMI filter, low ripple noise
- * Built-in long life ball bearing fan
- * Over voltage, over load & short circuit protection
- * 3.3V & 5V main output remote sensing
- * With power good signal & PS-ON signal output
- * 100% full load burn-in test
- * Meet Intel ATX 2.01 / ATX2.03 / ATX 12V / EPS
- * UL, cUL, CB, CE approved
- * 1 year warranty

Specification:

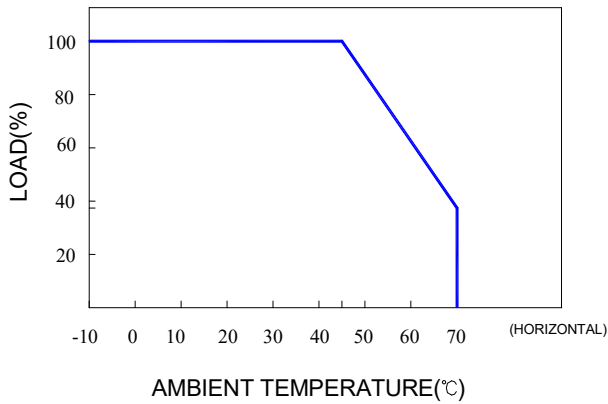
INPUT	Voltage		90V ~ 264VAC universal full range or 127V ~ 375VDC					
	Frequency		47 ----- 63 Hz.					
	Current	SPX-6250P1	<4.0A @ 100V AC input					
		SPX-6300P1	<5.0A @ 100V AC input					
	Inrush Current (TYP)		40A@115V / 80A@230V AC input. Cold start at 25℃ ambient					
	Leakage Current		<1.5mA@264V AC input					
Power Factor		PF > 0.95						
OUTPUT	Voltage		V1	V2	V3	V4	V5	V6
			5V	3.3V	12V	-5V	-12V	5Vsb
	Min Load		1.5 A	0 A	0.3 A	0 A	0 A	0 A
	Max	SPX-6250P1	26A	20A	14A	0.5A	1A	2A
	Load	SPX-6300P1	28 A					
	Output Tolerance ②		±5%	±5%	+7/-5%	±5%	+8/-5%	±5%
	Ripple Noise MAX. ③		70mV	70mV	120mV	70mV	150mV	70mV
Efficiency (TYP.)		SPX-6250P1:75%			SPX-6300P1:76%			
Output MAX.		3.3V & 5V max 130W, total output max 250W			3.3V & 5V max 140W, total output max 300W			
PROTECTION	Over Voltage		5.8V~7.0V	3.8V~4.6V	13.8~16.8V	---	---	---
	Over Load & Short Circuit		Shutdown and latch off, recover after re-start up.					
			When power supply over 105%~ 180% max load or short circuit acted, power supply will be shutdown and latch off, recover after re-start up.					
ELEC. CHAR.	Rise time		<20mS					
	Hold up time		>20mS@230V					
	Power Good signal		Power on within 100~500ms, high level TTL signal release.					
	PS-ON signal		P/S ON: PS-ON=Low or <0.8V, P/S OFF: PS-ON=Hi or >2V					
ENVIRONMENT	Temperature ④		Operating: -10~70℃; De-rating: 45℃ ~ 70℃ : 2.5%/℃. ; Storage: -20~~+85℃					
	Humidity		Operating: 20% ~ 90% RH (non condensing) ; Storage: 10% ~ 95% RH (non condensing)					
SAFETY	Withstand voltage		I/P-O/P:3KVAC, I/P-PE:1.5KVAC, 1minute					
	Isolation resistance		I/P-O/P, I/P-PE, > 100MΩ/500VDC at 25℃/ 70% RH					
	Safety standard		UL 60950 3 rd , CSA C22.2 No.60950 3 rd ,IEC 60950, approved					
EMC	EMI		EN 55022 CLASS B, FCC CFR 47 PART 15 CLASS B, CNS 13438 CLASS B.					
	EMS		Compliance to EN61000-3-2 CLASS D, EN61000-3-3 EN 55024 : EN 61000-4-2,3,4,5,6,8,11					
OTHERS	Cooling		Forced airflow cooling with a DC fan.					
	M.T.B.F.		143K hours					
	Dimension		100 x 205 x 40.5 mm (W*L*H)					
	Packing		N.W.: 1.2KG / 1PC : 16PCS / 2.02 CUFT / 1 CTN					
NOTE	① All measurements which not mentioned are based on 230VAC input, output max at ambient 25℃ / 70%RH							
	② Output tolerance included set up voltage, line regulation and load regulation. The regulation is measured at the condition : when any of output is with 20% ~ 100% max load and the rest of each outputs are with 60% max load , Each output could work within max load but must under total output max .							
	③ Ripple & noise are measured at 100~254VAC input with 10~50℃ condition and 20MHz of bandwidth by terminated with a 0.1uF & a 47uF parallel capacitor.							
	④ The operating temperature shall follow the de-rating curve in spec The output load may be requested for decreasing as de-rating curve in spec when low input voltage is under 100VAC							
	⑤ The power supply is considered a component of end-equipment. The end-equipment must be re-confirmed whether comply with EMC directives.							



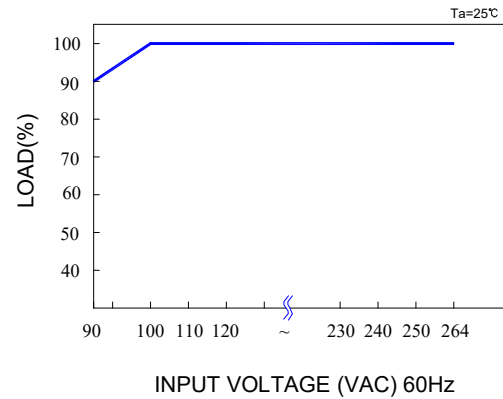
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De-rating Curve :



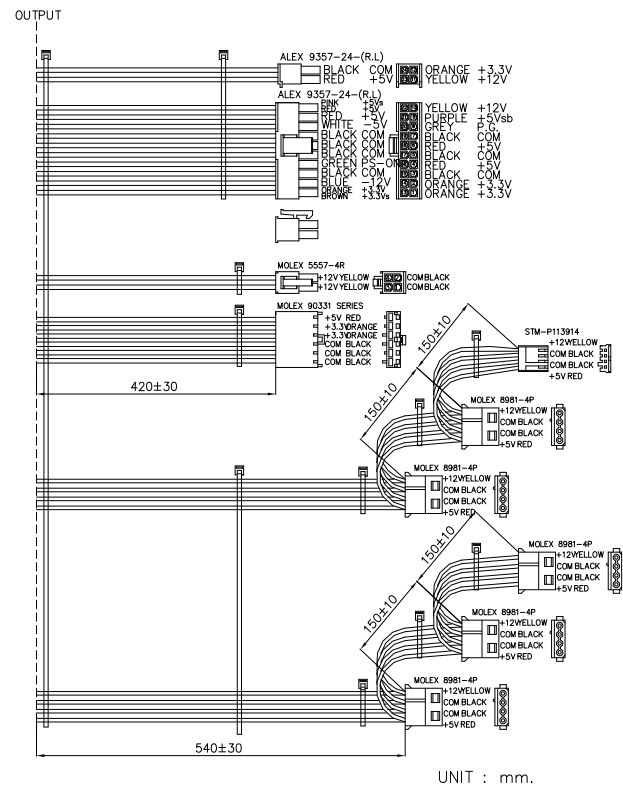
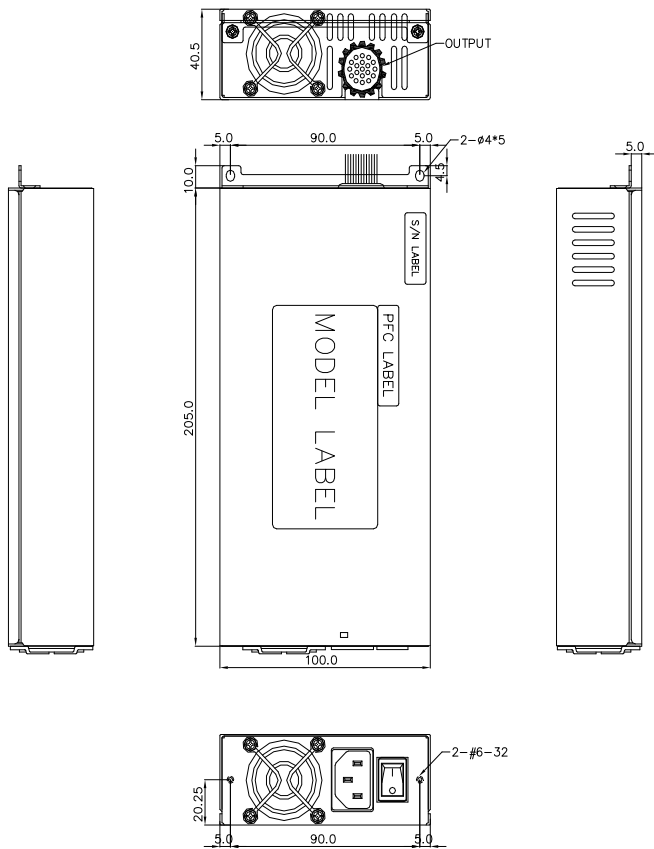
Output De-rating Vs Input Voltage :



Dimension:

(Unit: mm)

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Dimension:

(Unit: mm)

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