SPX-6200-GP1/SPX-6250-GP1

200W/250W, Six Output
For 1U System
ATX12V Power supply

180 x 100 x 40.5 mm
7.09 x 3.94 x 1.60 inch

Features:

- ∗ Universal full range AC input with active PFC, P.F.> 0.95
- ∗ High efficiency and reliability
- ∗ Built-in long life ball bearing fan
- ∗ 3.3V, 5V output remote sensing
- ∗ Over voltage, over load & short circuit, over current, over temperature protection
- ∗ With power good signal & PS-ON signal output
- ∗ Meet Intel ATX 2.01 / ATX2.31 / ATX 12V / EPS
- ∗ 3 years warranty

Specification:

INPUT	**Voltage**		90V ~ 264VAC universal full range or 127V ~ 375VDC					
	Frequency		47 ----- 63 Hz.					
	Current	**SPX-6200-GP1**	<2.8A @ 100VAC input, full load condition					
		SPX-6250-GP1	<3.5A @ 100VAC input, full load condition					
	Inrush Current		<40A@115V , <60A@230V AC input, Cold start, at 25℃ ambient					
	Leakage Current		<1.5mA@264V AC input					
	Power Factor		PF ＞ 0.95					
OUTPUT	**Voltage**		5V	3.3V	12V	-12V	-5V	5Vsb
	Min Load		0.3A	0A	0.2A	0A	0A	0A
	Max Load	**SPX-6200-GP1**	20A	25A	12A	0.5A Peak Load 1.5A ⑥	0.5A	3A
		SPX-6250-GP1			16A			
	Output Tolerance ②		±3%	±5%	±3%	±10%	±5%	±5%
	Ripple Noise MAX. ③		70mV	70mV	120mV	120mV	100 mV	70 mV
	Efficiency (TYP.)		82%					
	Output MAX.		SPX-6200-GP1：3.3V & 5V max 110W, total output max 200W					
			SPX-6250-GP1：3.3V & 5V max 110W, total output max 250W					
PROTECTION	**Over Voltage**		5.8V~7.0V	3.8V~4.6V	13.8V~16.8V	----	----	----
			Shutdown and latch off, recover after re-start up.					
	Over current (MAX)		26A	32A	20A	----	----	----
	Over Load & Short Circuit		When power supply over 105%~ 150% max load or short circuit acted, power supply will be shutdown and latch off, recover after re-start up.					
	Over Temperature		Over 95℃± 5℃ Shutdown, recovers automatically after fault condition has been removed.					
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: 50~70℃：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:3.0KVAC, I/P-PE:1.5KVAC, 1minute					
	Isolation resistance		I/P-O/P, I/P-PE ＞100MΩ/500VDC at 25℃/ 70% RH					
	Safety standard		UL 60950-1 2nd,CSA C22.2 No. 60950-1- 07 2nd ,TUV EN 60950-1:2006,IEC 60950-1:2005, approved					
EMC	**EMI**		EN 55022 CLASS B, FCC CFR 47 PART 15 CLASS B, CNS 13438 CLASS B.					
			Compliance to EN61000-3-2 CLASS D, EN61000-3-3					
	EMS		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.		K hours					
	Dimension		180 x 100 x 40.5 ㎜ (L*W*H)					
	PACKING		N.W.: 1.17 KG / 1PC; 12 PCS / 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 between 20%-100% **max load** of each output, Total output t must under **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 10uF 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. ⑥ 33% duty cycle maximum within every 10 seconds, average output power should not exceed the **Max.** load							

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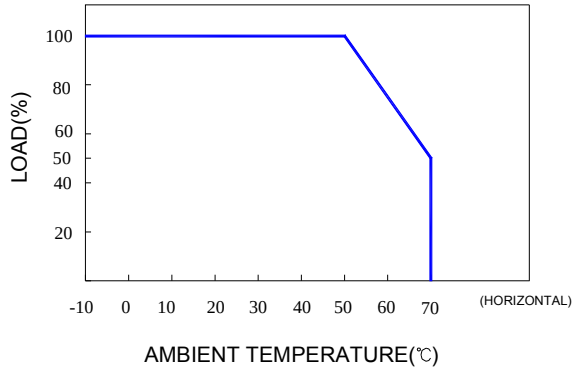
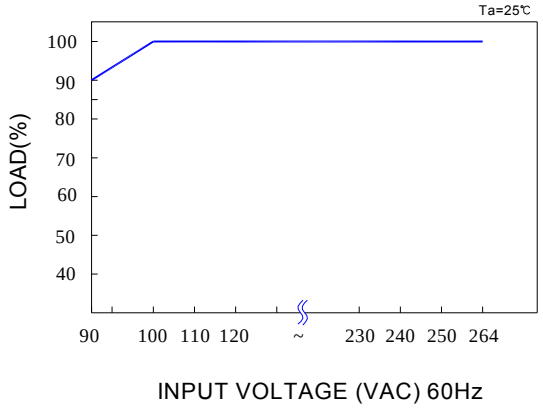
De-rating Curve：



Output De-rating Vs Input Voltage：



Dimension: **(Unit: mm)**

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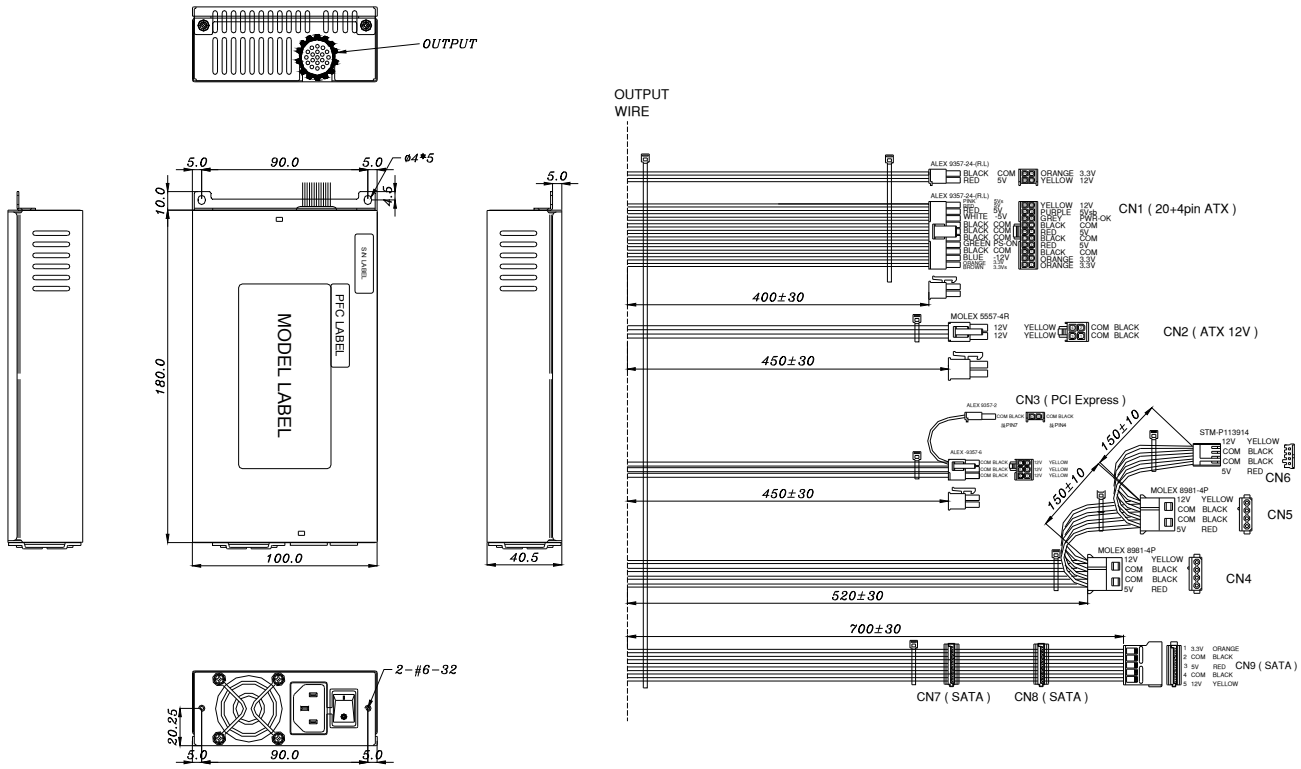

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