

SPX-6300-GP1/SPX-6350-GP1

300W/350W, Six Output
For 1U System
ATX12V Power supply



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



Features:

- * Universal full range AC input with active PFC, P.F.> 0.95
- * High efficiency and reliability
- * Altitude during operation up to 4000M
- * Built-in long life ball bearing fan
- * 3.3V & 5V VRM design
- * 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
- * 3 year warranty

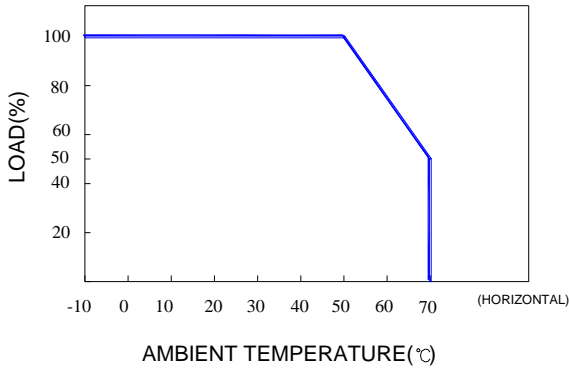
Specification:

INPUT	Voltage	90V ~ 264VAC universal full range or 127V ~ 375VDC						
	Frequency	47 ----- 63 Hz.						
	Current	SPX-6300-GP1	<4.2A @ 100VAC input, full load condition					
		SPX-6350-GP1	<5.0A @ 100VAC input, full load condition					
	Inrush Current(TYP.)	40A@115V , 60A@230V AC input, Cold start, at 25°C ambient						
	Leakage Current	<1.5mA@264V AC input						
Power Factor	PF > 0.95							
OUTPUT	Voltage	5V	3.3V	12V1	12V2	-12V	-5V	5Vsb
	Min Load	0.3A	0A	0.2A	0A	0A	0A	0A
	Max Load	25A	25A	16A	16A	0.5A	0.5A	3A
	Output Tolerance ②	±3%	±5%	±3%	±3%	±10%	±5%	±5%
	Ripple Noise MAX. ③	70mV	70mV	120mV	120mV	120mV	100 mV	70 mV
	Efficiency (TYP.)	83%						
Output MAX.	SPX-6300-GP1 : 3.3V & 5V max 125W, total output max 300W							
	SPX-6350-GP1 : 3.3V & 5V max 125W, total output max 350W							
PROTECTION	Over Voltage	5.4V~6.8V	3.7V~4.1V	13.1V~14.5V	----	----	----	
		Shutdown and latch off, recover after re-start up.						
	Over current (MAX)	30A	30A	20A	20A	----	----	----
	Over Load & ShortCircuit	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°C ± 5°C Shutdown, recovers automatically after fault condition has been removed.							
ELEC. CHAR.	Rise time	<20mS						
	Hold up time	>16mS@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°C; De-rating: 50~70°C : 2.5%/°C. ; Storage: -20~+85°C						
	Humidity	Operating: 20% ~ 90% RH (non condensing) ; Storage: 10% ~ 95% RH (non condensing)						
	Altitude	13124ft (= 4000m) operating						
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°C/ 70% RH						
	Safety standard	UL 60950-1 2 nd , CSA C22.2 No. 60950-1- 07 2 nd , TUV EN 60950-1:2006+A11+A12+A2, IEC 60950-1:2005+A1+A2, approved						
EMC	EMI	EN 55032 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.	108.7 K hours						
	Dimension	205 x 100 x 40.5 mm (L*W*H)						
PACKING	N.W.: 1.25 KG / 1PC; 12 PCS / 2.02 CUFT / 1 CTN							
NOTE	<p>① All measurements which not mentioned are based on 230VAC input, output max at ambient 25°C / 70%RH</p> <p>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 must under output Max.</p> <p>③ Ripple & noise are measured at 10~50°C condition and 20MHz of bandwidth by using a 10" ~15" twisted pair-wire terminated with a 0.1uF & a 10uF parallel capacitor.</p> <p>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</p> <p>⑤ The power supply is considered a component of end-equipment. The end-equipment must be re-confirmed whether comply with EMC directives.</p> <p>⑥ 33% duty cycle maximum within every 10 seconds, average output power should not exceed the Max. load</p> <p>⑦ Start up steps : Connect AC or DC source, before you turn on the power supply. The unit can't be operated by PS-ON and GND are shorted before power supply turns on. Please contact us for different requirement.</p>							

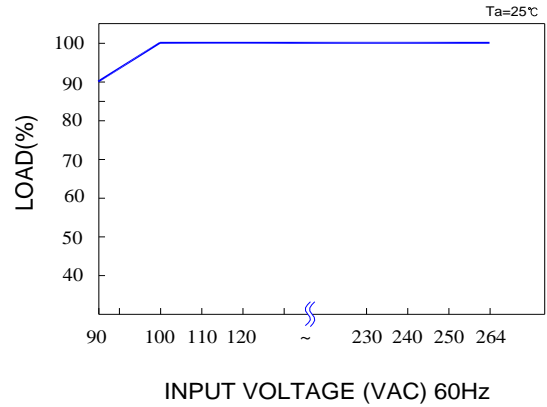


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De-rating Curve :



Output De-rating Vs Input Voltage :



Dimension:

(Unit: mm)

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