

ATX-5200-1U / ATX-5250-1U

200W/250W, Five 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
- * 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
- * 2 years warranty

Specification:

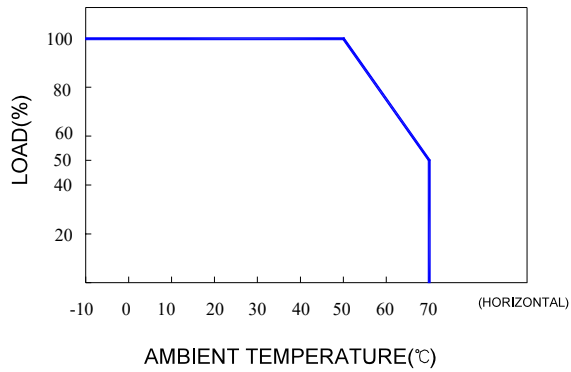
INPUT	Voltage		90V ~ 264VAC universal full range or 127V ~ 375VDC				
	Frequency		47 ----- 63 Hz.				
	Current	ATX-5200-1U	<2.8A @ 100VAC input, full load condition				
		ATX-5250-1U	<3.5A @ 100VAC input, full load condition				
	Inrush Current(TYP.)		40A@115V , 60A@230V AC input, Cold start, at 25℃ ambient				
	Leakage Current		<1.5mA@264V AC input				
OUTPUT	Power Factor		PF > 0.95				
	Voltage		5V	3.3V	12V	-12V	5Vsb
	Min Load		0.3A	0A	0.2A	0A	0A
	Max Load	ATX-5200-1U	20A	25A	12A	0.5A Peak Load 1.5A ⑥	3A
		ATX-5250-1U			16A		
	Output Tolerance ②		±3%	±5%	±3%	±10%	±5%
	Ripple Noise MAX. ③		70mV	70mV	120mV	120mV	70 mV
	Efficiency (TYP.)		83%				
Output MAX.		SPX-5200-GP1 : 3.3V & 5V max 110W, total output max 200W SPX-5250-GP1 : 3.3V & 5V max 110W, total output max 250W					
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	----	----
	OverLoad & 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		>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℃ ; De-rating: 50~70℃ : 2.5%/℃. ; Storage: -20~+85℃				
	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:1.8KVAC, 1minute				
	Isolation resistance		I/P-O/P, I/P-PE > 100MΩ/500VDC at 25℃/ 70% RH				
	Safety standard		UL 62368-1, 2 nd Edition, 2014-12-01, CAN/CSA C22.2 No.62368-1-14, 2 nd Edition, 2014-12, IEC 62368-1:2014				
EMC	EMI		EN / BS EN 55032 CLASS B, FCC CFR 47 PART 15 CLASS B				
	EMS		Compliance to EN / BS EN 61000-3-2 CLASS D, EN / BS EN 61000-3-3 EN / BS EN 55035 : 2017 EN / BS 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		180 x 100 x 40.5 mm (L*W*H)				
NOTE	PACKING		N.W.: 1.17 KG / 1PC; 12 PCS / 2.02 CUFT / 1 CTN				
	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 must under output Max . ③ Ripple & noise are measured at 10~50℃ condition and 20MHz of bandwidth by using a 10" ~ 15" twisted pair-wire 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 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.						



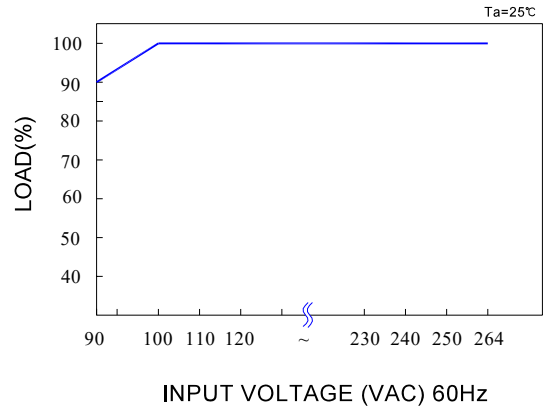
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De-rating Curve :

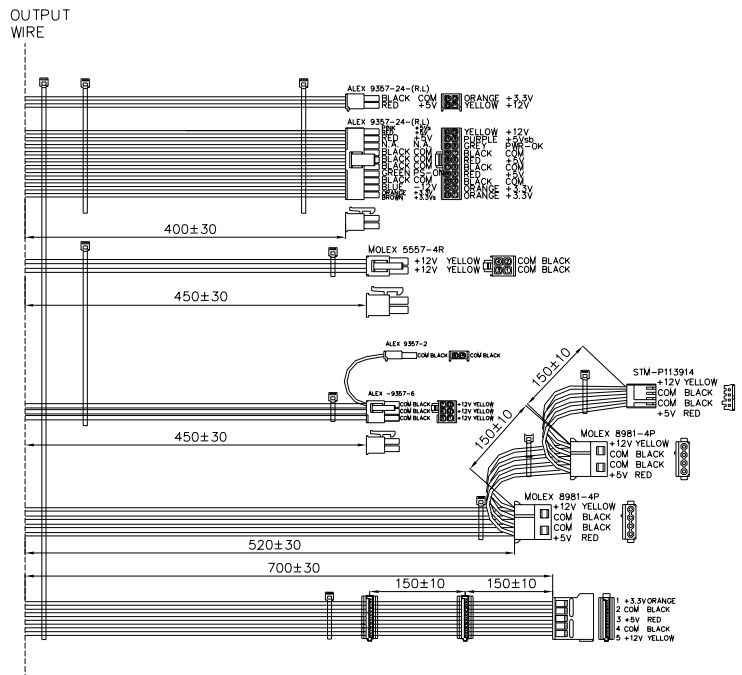
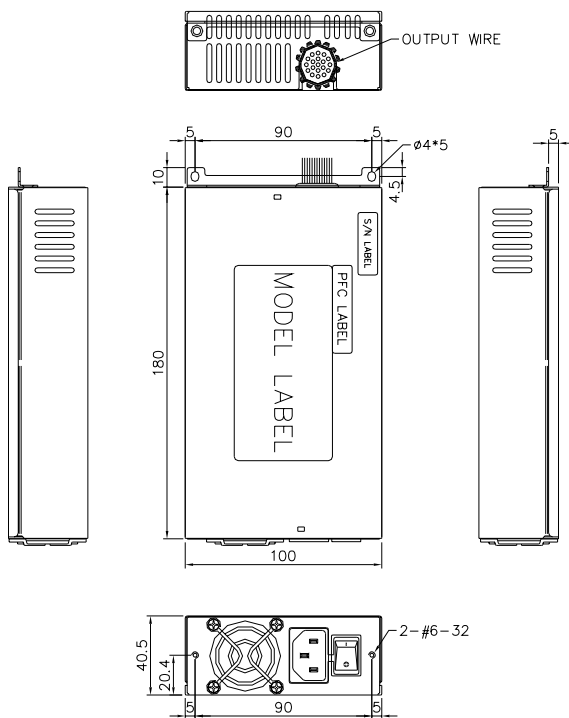


Output De-rating Vs Input Voltage :



Dimension:

(Unit: mm)



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