

ATX-6520-P2

515W, Six Output Active P.F.C. Function For Industrial 2U System



100 x 240 x 70 mm

3.94 x 9.45 x 2.76 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
- * With power good signal & PS-ON signal output
- * V4 (-5V) output option
- * Meet Intel ATX 2.01 / ATX2.03 / ATX 12V / EPS
- * UL, cUL, CB, CE approved
- * 1 year warranty

Specification:

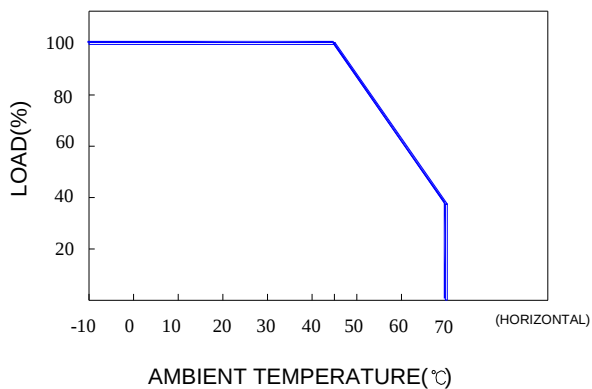
INPUT	Voltage	90V ~ 264VAC universal full range or 127V ~ 375VDC					
	Frequency	47 ----- 63 Hz.					
	Current	<7.3A @ 100V AC input, full load condition					
	Inrush Current (TYP.)	40A@115V / 80A@230V AC input, full load condition. Cold start at 25℃ ambient					
	Leakage Current	<1.5mA@264V AC input					
	Power Factor	PF > 0.95					
OUTPUT	Voltage	V1	V2	V3	V4	V5	V6
		5V	3.3V	12V	-5V	-12V	5Vsb
	Min Load	1 A	0 A	1 A	0 A	0 A	0 A
	TYP Load	28 A	22 A	24 A	0.5 A	0.8 A	2 A
	Max Load	42 A	28 A	33 A	0.5 A	1 A	2 A
	Output Tolerance ②	±5%	±5%	±5%	±5%	+8/-5%	±5%
	Ripple Noise MAX. ③	70mV	70mV	120mV	70mV	150mV	70mV
	Efficiency (TYP.)	77%					
Output MAX.	3.3V & 5V max 210W ; -5V&-12V Max 12W ; total output max 515W						
PROTECTION	Over Voltage	5.8V~7.0V	3.8V~4.6V	13.8V~16.8V	---	---	---
		Shutdown and latch off, recover after re-start up.					
	OverLoad & ShortCircuit	When power supply over 105%~ 150% max load or short circuit acted, power supply will be shutdown and latch off,					
ELEC. CHAR.	Rise time	<50mS					
	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 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 two DC fan.					
	M.T.B.F.	125 K hours					
	Dimension	100 x 240 x 70 mm (W*L*H)					
	Packing	N.W.: 1.9 KG / 1PC ; 6 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 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 10~50℃ condition and 20MHz of bandwidth by using a 10" ~15" twisted pair-wire 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.						



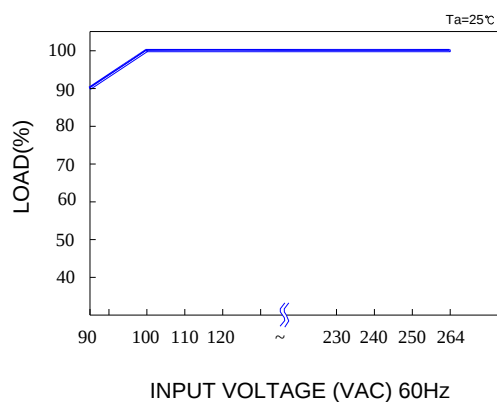
Nippon Beta Power Co., Ltd

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De-rating Curve :



Output De-rating Vs Input Voltage :



Dimension:

(Unit: mm)

