

ATX-6600-P

600W Output Active P.F.C Function For Industrial ATX System



140 x 150 x 86 mm
5.51 x 5.9 x 3.39 inch



Features:

- * Universal AC input with active power factor correction, P.F.>0.95
- * Built in EMI filter, low ripple noise
- * Over voltage, over current, over load & short circuit protection
- * With power good signal & PS-ON signal output
- * 3.3V & 5V VRM design
- * V5(-5V) output option, Standard without -5V
- * Built-in long life ball bearing fan
- * Meet Intel ATX 2.01 / ATX2.31 / ATX 12V
- * UL, cUL, CB, CE standard
- * 3 year warranty

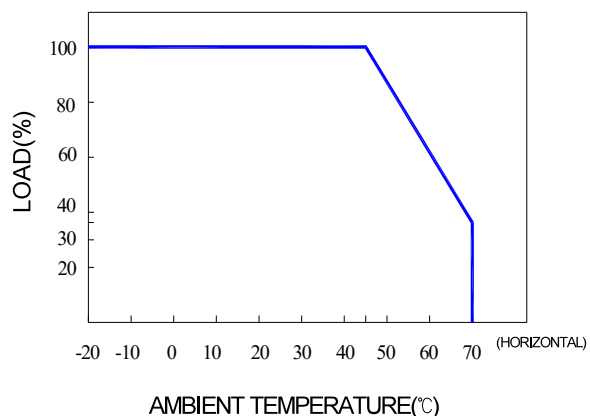
Specification:

INPUT	Voltage	90V ~ 264VAC universal full range or 127V ~ 375VDC.						
	Frequency	47 ----- 63 Hz						
	Current	8.6A max at 100V AC input, full load condition						
	Inrush Current	<40A@115V / <80A@230V AC input, full load condition. Cold start at 25°C ambient						
	Leakage Current	<1.5mA@264V AC input						
	Power Factor	PF > 0.95						
OUTPUT	Voltage	V1	V2	V3	V4	V5(option)	V6	V7
		5V	3.3V	12V1	12V2	-5V	-12V	5Vsb
	Min Load	0A	0A	1A	0A	0A	0A	0A
	Max Load	20A	20A	22A	22A	0.5A	1A	3A
	Output Tolerance ②	±3%	±5%	±3%	±3%	±5%	±10%	±5%
	Ripple Noise MAX. ③	70mV	70mV	120mV	120mV	70mV	150mV	100mV
	Efficiency (tpy)	83%						
PROTECTION	Output MAX.	3.3V & 5V total output max 125W -5V & -12v total output max 12W Total output max 600W						
	Over Voltage Protection	5.7V~7V	3.7V~4.3V	13.4V~15.6V		---	---	---
	Over current (MAX)	25A	25A	27A	27A	---	---	---
	OverLoad & 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.						
ELEC. CHAR.	Rise time	<20mS						
	Hold up time	>16mS@230V						
	Power Good Signal	Power ON within 100---500ms, high level TTL signal release.						
ENVIRONMENT	PS-ON Signal	P/S ON: PS-ON=Low or <0.8V : P/S OFF: PS-ON=Hi or >2V						
	Temperature	Operating: -20~70°C; De-rating: 45°C ~70°C : 2.5%/°C. : Storage: -40~+85°C						
	Humidity	Operating: 20% ~ 90% RH(non condensing); Storage: 10% ~ 95% RH (non condensing)						
SAFETY	Withstand voltage	I/P-O/P:3KVAC, I/P-PE:1.8KVAC 1minute						
	Isolation resistance	I/P-O/P, I/P-PE, > 100MΩ/500VDC at 25°C / 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 55032 CLASS B, FCC CFR 47 PART 15 CLASS B,						
		Compliance to EN61000-3-2 CLASS A, EN61000-3-3						
	EMS	EN 55035 : EN 61000-4-2,3,4,5,6,8,11						
OTHERS	Cooling	Forced airflow cooling with a DC fan.						
	M.T.B.F.	130K hours						
	Dimension	140 x 150 x 86 mm (L*W*H)						
NOTE	Packing	N.W.: Kg / 1pc; 6pcs / 1.95 CUFT / 1 CTN						
		① All measurements which not mentioned are based on 230VAC input, output max at ambient 25°C / 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 0~50°C 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.						

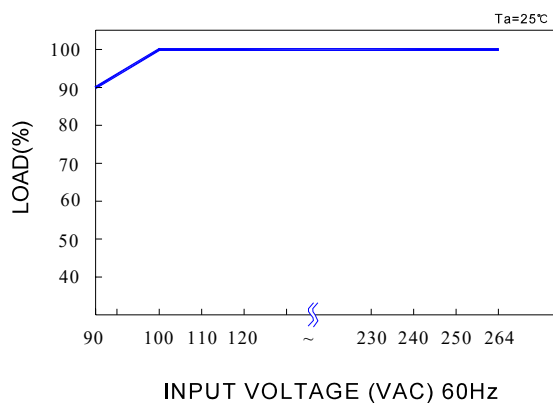


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De-rating Curve : E2



Output De-rating Vs Input Voltage :



Dimension:

(Unit: mm)

