ATX-6850-P2

850W MAX

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
- ∗ 3.3V & 5V VRM design
- ∗ Over voltage, over load & short circuit protection
- ∗ With power good signal & PS-ON signal output
- ∗ -5V output option
- ∗ Meet Intel ATX 2.01 / ATX2.03 / ATX 12V / EPS
- ∗ UL, cUL, CB, CE standard
- ∗ 2 year warranty

Specification:

INPUT	Voltage	90V ~ 264VAC universal full range or 127V ~ 375VDC						
	Frequency	47 ----- 63 Hz.						
	Current	<12.5A @ 100V AC input, full load condition						
	Inrush Current (TYP.)	50A@115V / 90A@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	**5V**	**3.3V**	**12V1**	**12V2**	**-5V**	**-12V**	**5Vsb**
	Min Load	0A	0A	1A	0A	0A	0A	0A
	Max Load	25A	20A	34A	34A	0.5A	1A	3A
	Output Tolerance ②	±5%	±5%	±5%	±5%	±5%	±10%	±5%
	Ripple Noise MAX. ③	70mV	70mV	120mV	120mV	100mV	150mV	70mV
	Efficiency (TYP.)	82%						
	Output MAX.	3.3V & 5V max 105W ;-5V&-12V Max 12W ; total output max 850W						
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)	30A	25A	40A	40A	---	---	---
	Over Load & Short Circuit	When power supply over 105%~ 150% max load or short circuit acted, power supply will be shutdown and latch off,						
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: -20~70℃; De-rating: 45℃ ~ 70℃ : 2.5%/℃ ; Storage: -40~+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:1.8KVAC, 1minute						
	Isolation resistance	I/P-O/P, I/P-PE, ＞100MΩ/500VDC at 25℃/ 70% RH						
	Safety standard	UL 62368-1 2nd., Issue Date:2014-12-01, CSA C22.2 No. 62368-1-14 2nd ED., Issue Date:2014-12-01, IEC 62368-1:2014						
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 55035：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 ㎜ (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 between 20%-100% **max load** of each output, Total output t 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 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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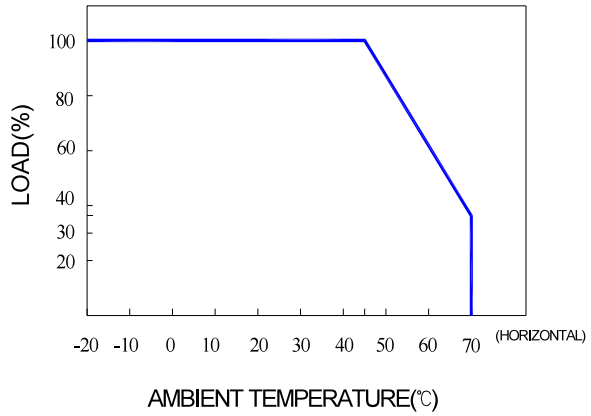
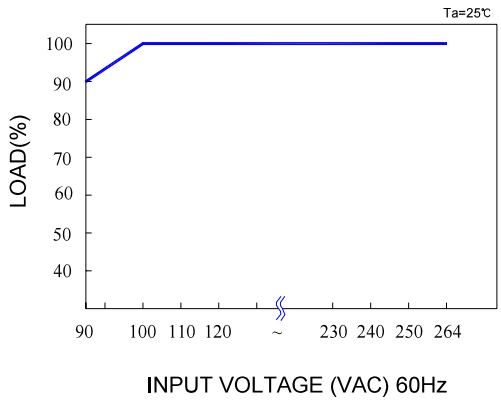
De-rating Curve :



Output De-rating Vs Input Voltage :



Dimension: **(Unit: mm)**