



# SPQ-4300 / SPQ-4400

300~400W

For Industrial AT System

SUNPOWER TECHNOLOGY CORP.  
 16F-1, No.150, Jian 1st Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.).  
 TEL: 886-2-8226-3100 FAX: 886-2-8226-3111  
 http://www.sunpower.com.tw  
 E-mail: sunpower@sunpower.com.tw



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



## Features:

- \* AC input 115V/230V Auto sensing optional
- \* Built in EMI filter, low ripple noise
- \* Over voltage, over load & short circuit protection
- \* With power good signal output
- \* Built-in long life ball-bearing fan
- \* 100% full load burn-in test
- \* UL, cUL approved.
- \* 1 year warranty

## Specification:

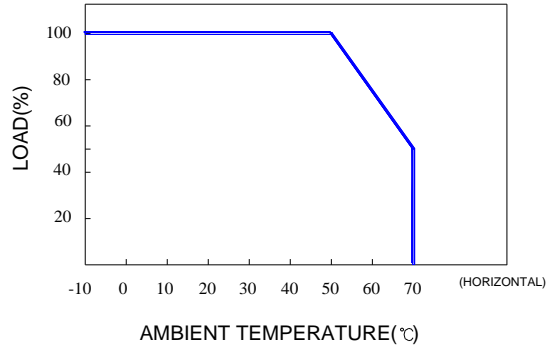
INPUT	Voltage	90 ~ 132 VAC/115 V or 180 ~ 264VAC/230 V, Auto range or selected by switch.							
	Frequency	47 ----- 63 Hz							
	Current	SPQ-4300	<7.0A@115V / <3.5A@230V AC input, full load condition.						
		SPQ-4400	<10A@115V / <5A@230V AC input, full load condition.						
	Inrush	SPQ-4300	*115V included ac outlet 1A max ; 230V included ac outlet 0.5 max. <60A@115V / <100A@230V AC input, full load condition. Cold start at 25°C ambient						
Current	SPQ-4400	<80A@115V / <120A@230V AC input, full load condition. Cold start at 25°C ambient							
Leakage Current	<1.5mA@264V AC input								
OUTPUT	MODEL No.	SPQ-4300				SPQ-4400			
		V1	V2	V3	V4	V1	V2	V3	V4
	Voltage	5V	12V	-5V	-12V	5V	12V	-5V	-12V
	Min Load	3.0A	0.5A	0A	0A	3A	0.5A	0A	0A
	Max Load	30A	12A	0.5A	0.5A	40A	20A	0.5A	1A
	Output Tolerance ②	±3%	±5%	±8%	±10%	±3%	±5%	±8%	±5%
	Ripple Noise MAX. ③	70mV	150mV	70mV	200mV	70mV	150mV	70mV	200mV
Efficiency (TYP.)	72%				72%				
Output MAX.	300W				400W				
PROTECTION	Over Voltage	5.8~7.0V	---	---	---	5.8~7.0V	---	---	---
		Shutdown and latch off, recover after re-start up.							
	Over Load & Short Circuit	When power supply over 105%~ 150 max load or short circuit acted, power supply will be shutdown and latch off.							
	Power good signal	Power ON within 100---500ms, high level TTL Signal release.							
ELEC. CHAR.	Rise time	<20mS							
	Hold up time	>20mS@230V							
	Setup time	<1000mS@230VAC							
ENVIRONMENT	Temperature ④	Operating: -10~70°C ; De-rating: 50°C ~ 70°C: 2.5%/°C ; Storage: -20 ~ +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:1.5KVAC, 1minute							
	Isolation resistance	I/P-O/P, I/P-PE > 100MΩ/500VDC at 25°C/ 70% RH							
	Safety standard	UL 1950 3 <sup>rd</sup> , CSA C22.2 No.950 approved .							
EMC	EMI	EN 55022 CLASS B							
		Compliance to EN61000-3-2 CLASS A, 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.	280 K hours							
	Dimension	150 x 140 x 86 mm (W*L*H)							
	Packing	N.W.: 2.1KG / 1pc; 10pcs / 1.95 CUFT / 1 CTN							
NOTE	① All measurements which not mentioned are based on 230VAC input, <b>output max</b> 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% <b>max load</b> and the rest of each outputs are with 60% <b>max load</b> , Each output could work within <b>max load</b> but must under total <b>output max</b> .								
	③ Ripple & noise are measured at 115/230VAC 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								
	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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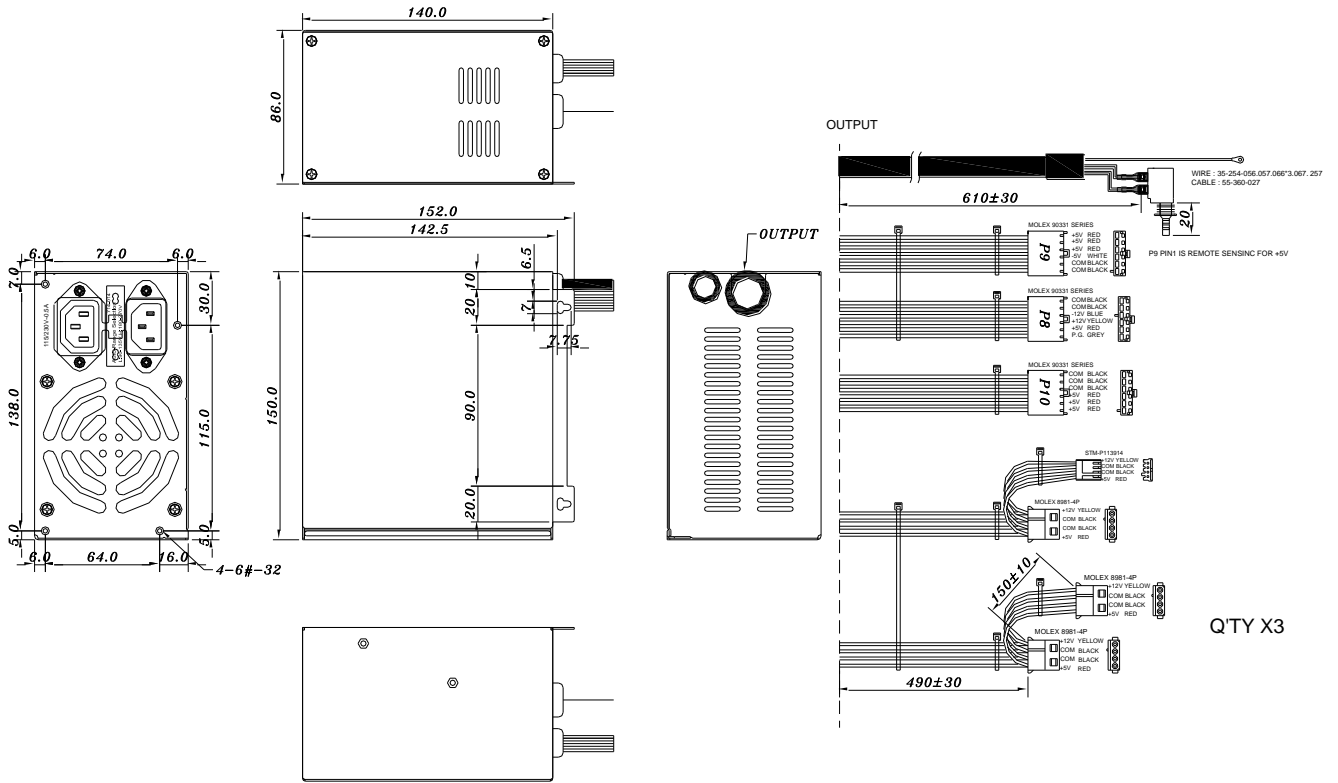
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## De-rating Curve :



## Dimension:

(Unit: mm)



### NOTE :

P10 only for SPQ-4400