



SUNPOWER TECHNOLOGY CORP.  
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## SPR-2327P2 / SPR-2328P2

320+320W, Hot Swap Redundant  
 for Industrial 1U System  
 Active P.F.C Function



228.6 x 225 x 42.6 mm

9.0 x 8.86 x 1.68 inch



### Features:

- \* Universal full range with active P.F.C.
- \* Built-in long life Ball-bearing fan.
- \* Hot swap, easy to install, zero transfer time
- \* Putting Or-ing diode inside module.
- \* Over voltage, over load & short circuit protection
- \* Power fail, fan fail alarm
- \* UL, cUL, TUV, CB, CE approved
- \* 2 years warranty

### Specification:

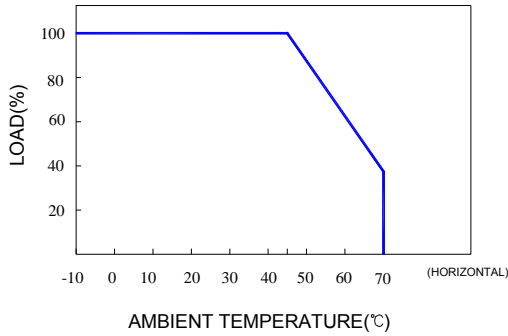
INPUT	Voltage	90V ~ 264VAC universal full range or 127V ~ 375VDC	
	Frequency	47 ~ 63 Hz	
	Current	<5.0A@100VAC, AC input single module full load condition.	
	Inrush Current	<40A@115VAC, <80A@230VAC, Single Module AC input 25°C condition cold start	
	Leakage Current	<2mA@264V AC input.	
	Power Factor	PF > 0.95	
OUTPUT	MODEL NO.	<b>SPR-2327&amp;8P2</b>	
	Voltage	5V	12V
	Min Load	2A	1A
	Max Load	30A	20A
	Output Tolerance ②	± 5 %	
	Ripple Noise MAX. ③	70mV	120mV
	Efficiency (TYP.)	70%	
	Output MAX.	320W	
PROTECTION	Over Voltage Protection	5.8V ~ 7.0V	13.8V ~ 16.8V
	OverLoad & ShortCircuit	Shutdown and latch off, recover after re-start up.	
ELEC. CHAR.	Rise time	<60mS	
	Hold up time	>20mS@230V	
	Alarm	Power fail alarm / Fan fail alarm	
ENVIRONMENT	Temperature ④	Operating: -10~70°C; De-rating: 45°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 60950 3 <sup>rd</sup> , CSA C22.2 No.60950 3 <sup>rd</sup> ,TUV EN 60950-1:2001+A11,IEC 60950, approved	
EMC	EMI	EN 55022 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	Built-in DC ball-bearing fan in module.	
	M.T.B.F.	118 K hours.	
	Dimension	228.6 x 225 x 42.6 mm (W*D*H)	
	Packing	N.W.: 3.2 KG / 1SET ; 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 between 20%-100% <b>max load</b> of each output.		
	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.		



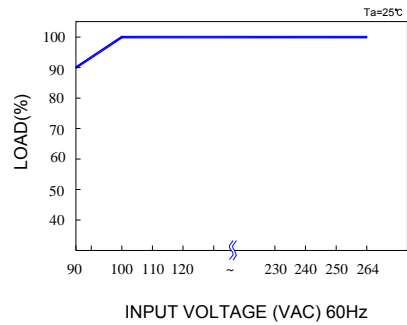
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## De-rating Curve :



## Output De-rating Vs Input Voltage :



## Dimension:

(Unit: mm)

### SPR-2327P2

