



SUNPOWER TECHNOLOGY CORP.
 33485 Western Ave. Union City, CA 94587, United States
 TEL: 510-489-5088 FAX: 510-489-8966
 http://www.sunpower-usa.com
 E-mail: sales@sunpower-usa.com

SPR-2323A6 / SPR-2323P6

Auto Sensing / Active P.F.C

320+320W, HotSwap Redundant

for Industrial 2U System



220 x 110 x 83.5 mm
 8.66 x 4.33 x 3.29inch



Features:

- * AC input 90 ~ 132VAC, 180~264VAC, auto sensing SPR-2323A6; Universal full range with active P.F.C. SPR-2323P6
- * Hot swap, easy to install, zero transfer time
- * +3.3V & +5V main output remote sensing
- * Power fail, fan fail alarm and TTL signal
- * Remote control power on/off
- * Over load, over voltage & short circuit protection
- * System over temperature detecting function
- * Or-in diode built inside module
- * Built in EMI filter, low ripple noise
- * Built-in long life ball bearing fan
- * 100% 50°C burn-in test.
- * Meet Intel ATX 2.01 / 2.03 / ATX 12V
- * UL, cUL, TUV, CB, CE approved
- * 2 years warranty

Specification:

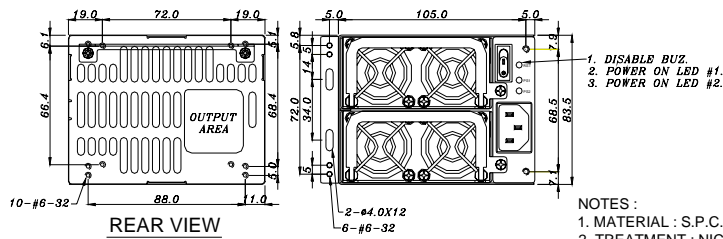
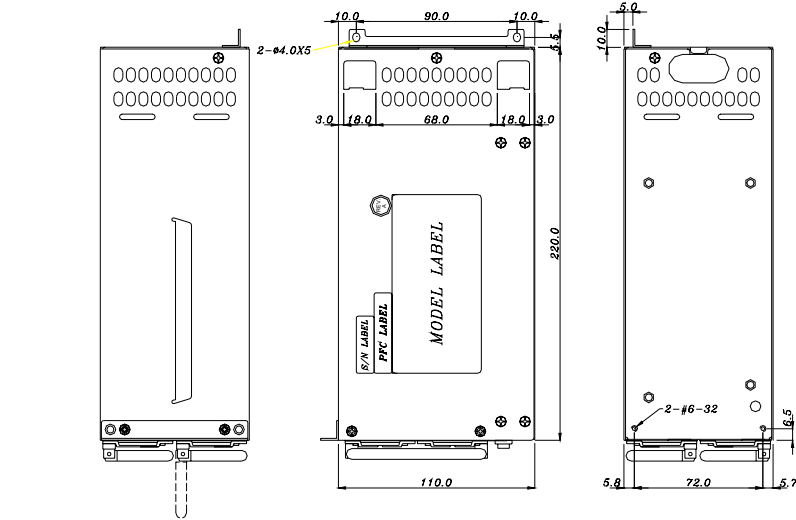
INPUT	Voltage	SPR-2323A6	90 ~ 132V AC@115V , 180~264V AC@230V, 115V / 230V auto sensing.					
		SPR-2323P6	90V ~ 264V universal full range.					
	Frequency	47 ~ 63 Hz						
	Current	SPR-2323A6	<8A@115VAC, <4A@230VAC full load condition.					
		SPR-2323P6	<5.0A@100VAC full load condition.					
Inrush Current	SPR-2323A6	<60A@115VAC, <100A@230VAC full load condition. Cold start at 25°C ambient.						
	SPR-2323P6	<40A@115VAC, <80A@230VAC full load condition. Cold start at 25°C ambient.						
OUTPUT	Voltage	V1	V2	V3	V4	V5	V6	
		+3.3V	+5V	+12V	-5V	-12V	+5Vsb	
	Min. Load	0 A	3 A	1 A	0 A			
	Max. Load	SPR-2323A6	15A	30 A	18 A	0.5 A	1 A	4 A
		SPR-2323P6			20 A			
	Regulation	± 5%						
	Ripple Noise (MAX.)	50mV	50mV	120mV	50mV	120mV	50mV	
Efficiency (TYP.)	70%							
MAX POWER	+3.3V & +5V max 150W; -5V & -12V max 12W; total output max 320W.							
PROTECTION	Over Voltage Protection	+3.8V~+4.6V	+5.8V~+7.0V	+13.8V~+17.5V	---	---	---	
	Over Load Protection	Over 105% ~ 150% of rated load, shutdown and latch.						
	Short Circuit Protection	Shutdown and latch.						
OTHERS	Rise time	<60mS						
	Hold up time	>20mS@230V						
	TTL Signal	Power good signal; PS-ON signal.						
	Alarm	Power fail alarm, fan fail alarm.						
	Cooling	Built-in DC ball-bearing fan in each module.						
Environment	Temperature	SPR-2323A6	Operating: -10~70°C; De-rating: 45°C~70°C : 2.5%/°C. Storage: -10~+75°C.					
		SPR-2323P6	Operating: -10~70°C; De-rating: 46°C~70°C : 2.5%/°C. Storage: -10~+75°C.					
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing).						
M.T.B.F.	SPR-2323A6: 93K hours; SPR-2323P6: 118K hours.							
SAFETY	UL 60950, CSA C22.2 No.60950, TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94 approved							
EMC	EMI	EN 55022 : EN 61000-3-2,3 · FCC CFR 47 PART 15 CLASS B · CNS 13438 CALSS B.						
	EMS	EN 55024 : EN 61000-4-2,3,4,5,6,8,11						
Packing	N.W.: 3.5Kg / 1set; 6sets / 1.95Cu ft ³ / 1Ctn;							



SUNPOWER TECHNOLOGY CORP.
 33485 Western Ave. Union City, CA 94587, United States
 TEL: 510-489-5088 FAX: 510-489-8966
 http://www.sunpower-usa.com
 E-mail: sales@sunpower-usa.com

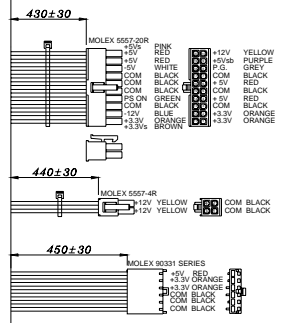
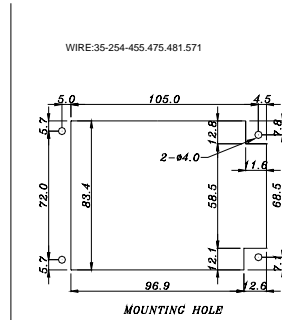
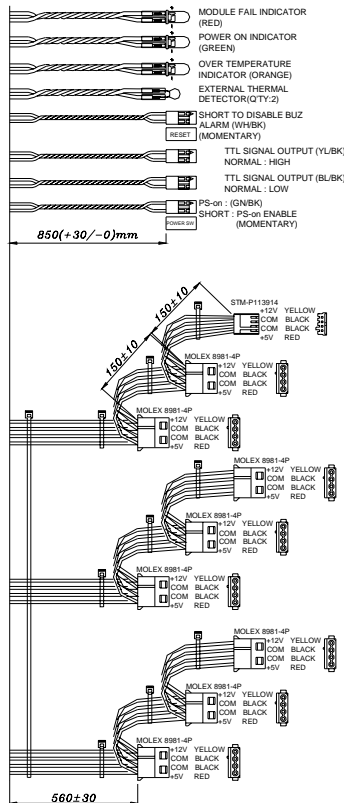
Dimension:

SPR-2323A6 / SPR-2323P6



1. DISABLE BUZ.
2. POWER ON LED #1.
3. POWER ON LED #2.

NOTES :
 1. MATERIAL : S.P.C.C.
 2. TREATMENT : NICKEL PLATED.
 3. MODULE : SPR-323P6(x2).
 4. UNIT : mm.



BRACKET CAN BE MODIFIED
 ACCORDING TO CUSTOMER'S
 DEMAND.