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# 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 burn-in test.
- \* Meet Intel ATX 2.01 / 2.03 / ATX 12V
- \* UL, cUL, TUV, CB, CE approved
- \* 2 years warranty

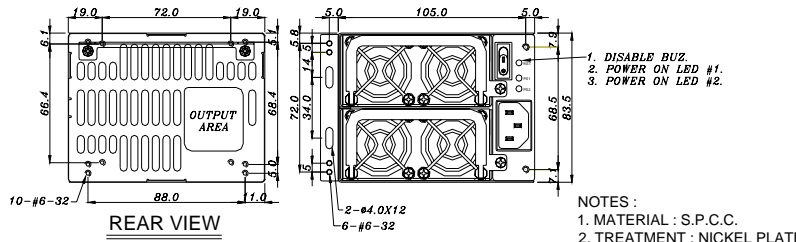
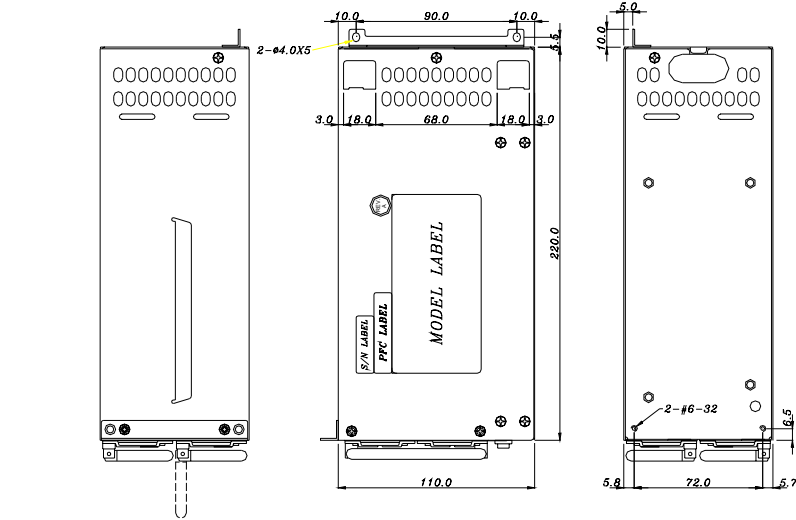
## Specification:

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 ambient.						
	SPR-2323P6	<40A@115VAC, <80A@230VAC full load condition. Cold start at 25 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%			± 8%		± 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 ; De-rating: 45 ~70 : 2.5%/ . Storage: -10~+75 .					
		SPR-2323P6	Operating: -10~70 ; De-rating: 46 ~70 : 2.5%/ . Storage: -10~+75 .					
	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 <sup>3</sup> / 1Ctn;					



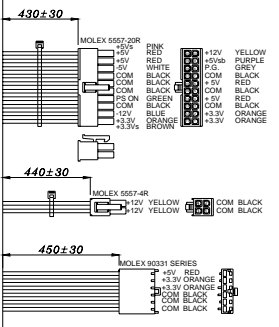
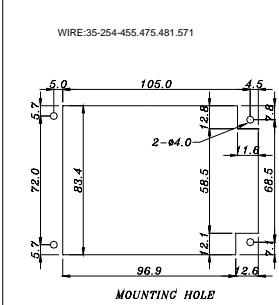
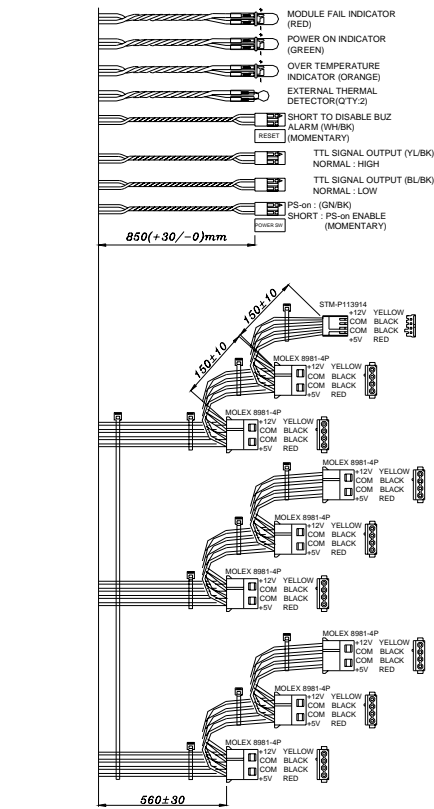
Dimension:

# 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.