

**SUNPOWER TECHNOLOGY CORP.**

16F-1, No.150, Jian Yi Rd., Chung Ho City, Taipei Hsien, 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

SPS-230P-C Series

230W, Single Output**Active P.F.C., For Charger**

198 x 99 x 50 mm

7.80 x 3.90 x 1.97 inch

**Features:**

- * Universal AC input with active power factor correction, P.F.>0.95
- * Constant current limiting & temperature compensation circuit for charger
- * Built in EMI filter, low ripple noise
- * Over load, over voltage protection
- * Over temperature protection (option)
- * short circuit protection and Auto recovery
- * Output voltage $\pm 10\%$ adjustment
- * Non min. load requirement
- * 100% 50°C burn-in test
- * UL, cUL, TUV, CB, CE approved
- * 2 years warranty

Specification:

INPUT	Voltage	85V~ 264V AC or 120V ~ 375V DC, universal full range		
	Frequency	47 ----- 63 Hz or DC input.		
	Current	<3.2A@100V AC input		
	Inrush Current	<40A@115V AC / <80A@230V AC input.		
	Leakage Current	<1.5mA@264V AC input		
OUTPUT	MODEL	SPS-230P-13.5C	SPS-230P-27C	SPS-230P-48C
	Voltage	13.5V	27V	48V
	Max. Load	17.1A	8.6A	4.8A
	Regulation	±1%	±1%	±1%
	Ripple & Noise (MAX.)	150mV	180mV	250mV
	Efficiency (TYP.)	80%	84%	84%
	Max. Power	230W		
Protection	Over Voltage Protection	+15.5~18.9V	+31.1~37.8V	+55.2~67.2V
	Over Load Protection	Over 105% ~ 150% of rating, shutdown. Auto recovery when fault condition been removed.		
	Short Circuit Protection	Shutdown, recovers automatically after fault condition removed.		
	Over Temperature Protection	Optional. Over 95℃, the power supply will shutdown.		
Others	Rise time	<20mS		
	Hold up time	>20mS@230V		
	Cooling	Built-in a DC ball bearing Fan.		
Environment	Temperature	Operating: -10~70℃; De-rating: 50℃ ~70℃ : 2.5%/℃. Storage: -10~+75℃		
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)		
M.T.B.F.	225K hours			
SAFETY	UL 60950 3 rd , CSA C22.2 No.60950 3 rd , TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94 approved.			
EMC	EMI	EN 55022 CLASS B : EN 61000-3-2,3 · FCC CFR 47 PART 15 CLASS B · CNS 13438 CLASS B.		
	EMS	EN 55024 : EN 61000-4-2,3,4,5,6,8,11.		



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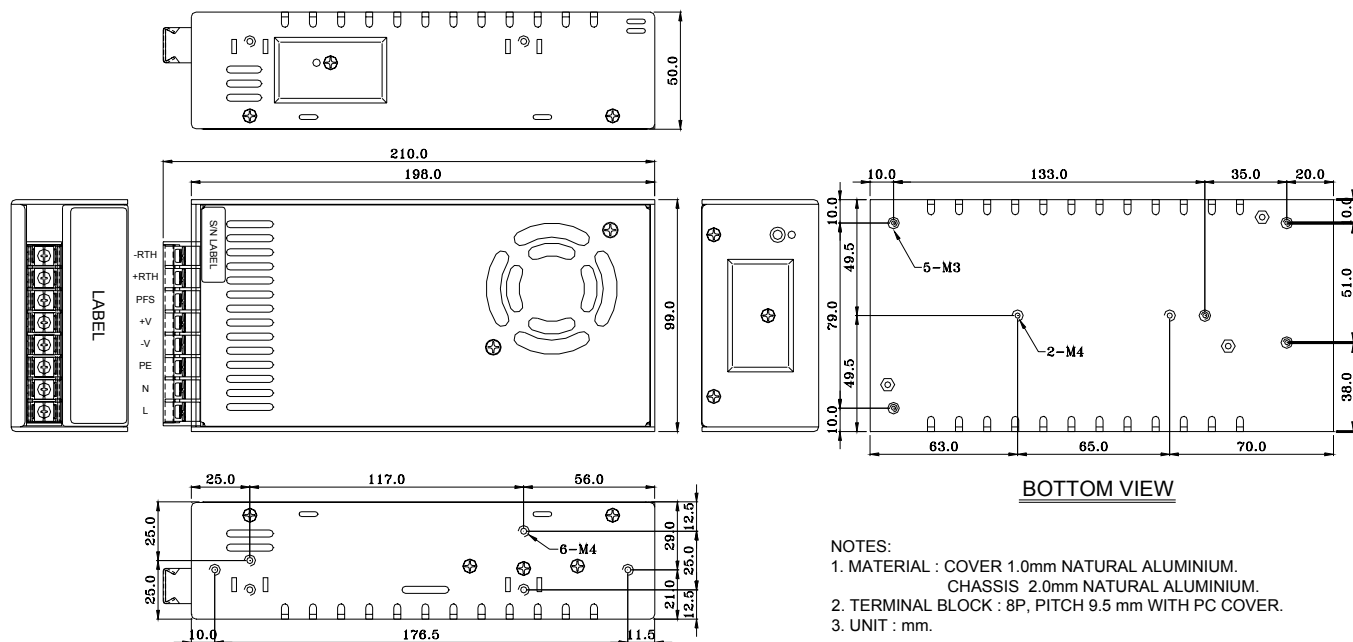
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Dimension:

SPS-230P-C Series



BOTTOM VIEW

NOTES:

1. MATERIAL : COVER 1.0mm NATURAL ALUMINIUM.
CHASSIS 2.0mm NATURAL ALUMINIUM.
2. TERMINAL BLOCK : 8P, PITCH 9.5 mm WITH PC COVER.
3. UNIT : mm.

TERMINAL BLOCK :

+RTH,-RTH : TEMPERATURE COMPENSATION.

PFS : POWER FAIL SIGNAL

WHEN POWER SUPPLY WORKS NORMALLY,THE VOLTAGE WILL BE HI LEVEL (> 5V).

WHEN POWER SUPPLY FAILED,THE VOLTAGE WILL BE LOW LEVEL (< 1V).