

SPS-230P Series

230W, Single Output

Active P.F.C Function



198 x 99 x 50 mm
7.80 x 3.90 x 1.97 inch



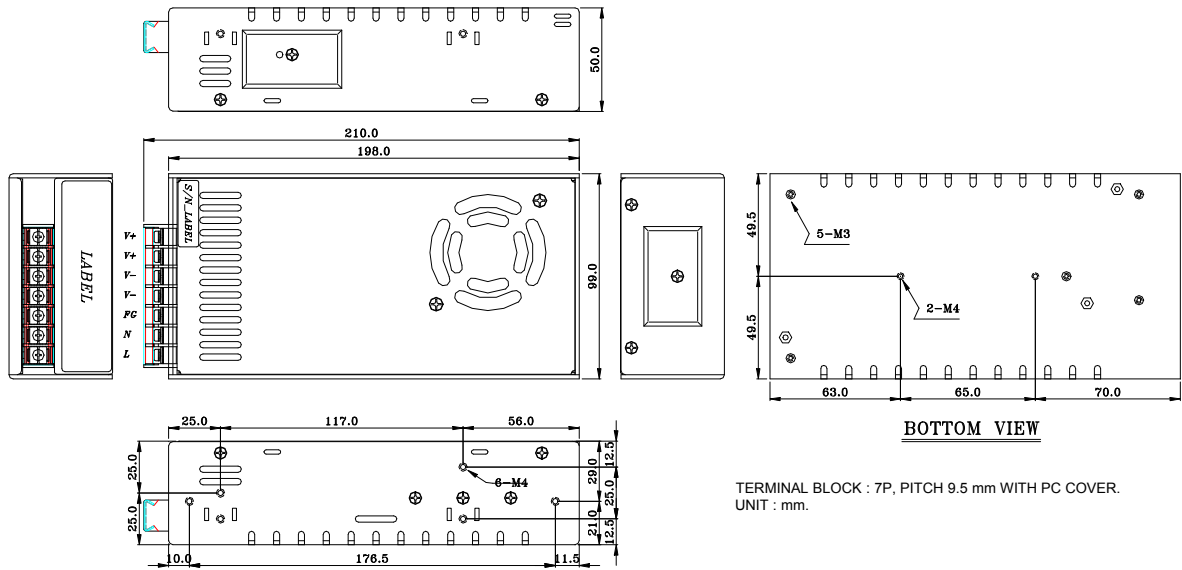
Features:

- * Universal AC input with active power factor correction, P.F.>0.95
- * Built in EMI filter, low ripple noise
- * Over load, over voltage, short circuit protection
- * Over temperature protection (Optional)
- * Output voltage $\pm 10\%$ adjustment
- * Remote Control ON/OFF (Optional)
- * Non min load requirement
- * 100% 50°C burn-in test
- * UL, cUL, TUV, ,CB, CE standard
- * 2 years warranty

Specification:

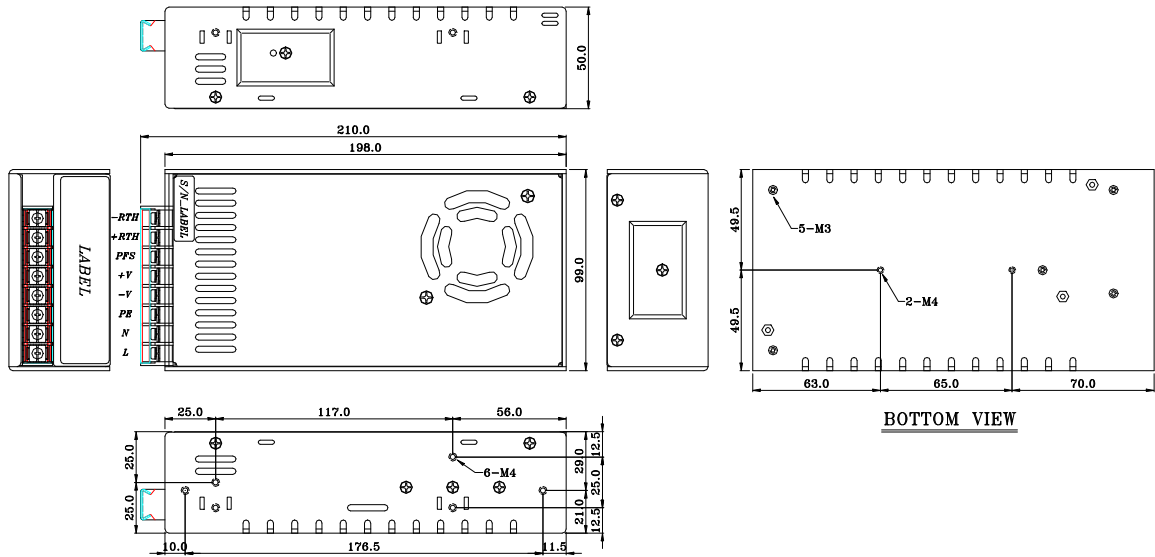
MODEL	SPS-230P-3.3	SPS-230P-05	SPS-230P-7.5	SPS-230P-12	SPS-230P-13.5c	SPS-230P-15	SPS-230P-24	SPS-230P-27	SPS-230P-27C	SPS-230P-48	SPS-230P-48C	
Output	Voltage	3.3V	5V	7.5V	12V	13.5V	15V	24V	27V	27V	48V	48V
	Min. Load	0A										
	Max. Load	40A	40A	30.7A	19.2A	17.1A	15.4A	9.6A	8.6A	8.6A	4.8A	4.8A
	Regulation	$\pm 3\%$	$\pm 2\%$		$\pm 1\%$							
	Ripple	50mV	70mV	80mV	100mV	150mV	120mV	150mV	180mV	180mV	250mV	250mV
	Efficiency (typ)	69%	75%	77%	80%	82%	80%	83%	84%	84%	84%	84%
	Max. Power	132W	200W	230W								
* With constant current limiting & temperature compensation circuit for charger: (SPS-230P-13.5C, SPS-230P-27C, SPS-230P-48C)												
Input	Voltage	85V --- 264VAC Universal full range, single phase, or 120V --- 375VDC										
	Frequency	47 ----- 63 Hz										
	Current	3.2A max at 100V AC input, full load condition										
	Inrush Current	<40A@115V / <80A@230V AC input, full load condition. Cold start at 25°C ambient										
	Leakage Current	<1.5mA@264V AC input										
	Power Factor	Meet IEC 1000-3-2 class D, P.F.>0.95										
Protection	OverLoadProtection	Over 105% ~ 150% of rating, recovers automatically after fault condition has been removed.										
	OverVoltageProtection	3.8V-4.6V	5.8V-7.0V	8.6V-10.5V	13.8V-17.5V	15.5V-18.9V	17.3V-21V	27.6V-33.6V	31.1V-37.8V	31.1V-37.8V	55.2V-67.2V	55.2V-67.2V
	OverTempProtection	Optional										
	ShortCircuitProtection	Shutdown, recovers automatically after fault condition has been removed.										
Others	Rise time	<20mS										
	Hold up time	>20mS@230V										
	Remote Control	Optional										
	Cooling	A 14CFM (min.) DC ball bearing Fan										
Environment	Temperature	Operating: 0~70°C; derating: 50°C ~70°C : 2.5%/°C. Storage: -10~+75°C										
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)										
M.T.B.F.	250K hours											
SAFETY	UL 60950, CSA C22.2 No.60950, TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94 Certified											
EMC	EMI	FCC CFR 47 PART 15 CLASS B, EN 50081-1, CNS 13438 CALSS B.										
	EMS	EN 50082-1 (1997)										
PACKING	N.W.: 1.0Kg / 1pc; 18pcs / 1.38 Cu ft ³ / 1 CTN											

Dimension:



TERMINAL BLOCK : 7P, PITCH 9.5 mm WITH PC COVER.
UNIT : mm.

SPS-230P-13.5C / SPS-230P-27C / SPS-230P-48C



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).

TERMINAL BLOCK : 8P, PITCH 9.5 mm WITH PC COVER.
UNIT : mm.