

# SPP-100P Series

100W, Single Output  
Active P.F.C Fuction



222 x 62 x 33.6 mm  
8.74 x 2.44 x 1.32 inch



## Feautres:

- \* Universal AC input with active power factor correction, P.F.>0.95
- \* Over load, over voltage & short circuit protection
- \* Built-in EMI filter, low ripple noise
- \* Output voltage  $\pm 10\%$  adjustment
- \* 100% 50°C burn-in test
- \* UL, cUL, TUV standard
- \* 2 years warranty

## Specification:

MODEL	SPP-100P3.3	SPP-100P05	SPP-100P12	SPP-100P15	SPP-100P24	SPP-100P28	SPP-100P48	
OUTPUT	Voltage	3.3V	5V	12V	15V	24V	28V	48V
	Min. Load	0A						
	Max. Load	25A	20A	8.5A	6.8A	4.5A	3.6A	2.1A
	Regulation	$\pm 3\%$	$\pm 2\%$	$\pm 1\%$				
	Ripple Noise(max)	50mV		120mV	150mV	240mV	280mV	300mV
	Efficiency (tpy)	68%	76%	79%	80%	80%	81%	81%
INPUT	Voltage	90V --- 264V Universal full range, single phase.						
	Frequency	47 ----- 63 Hz						
	Current	<2.5A@100V AC input, full load condition						
	Inrush Current	<30A@115V / <60A@230V AC input, full load condition. Cold start at 25°C ambient						
	Power Factor	Meet IEC 1000-3-2 class D, P.F.>0.95						
PROTECTION	OverLoadProdtection	Over 105% ~ 180% of rating, shutdown. Auto recovery when fault condition been removed.						
	OverVoltageProdtection	3.3V: 3.8V-4.6V	5V: 5.8V-7.0V	12V:13.8V-17.5V	15V: 17.3V-21V	24V:27.6V-33.6V	28V:32.2V-39.2V	48V:55.2V-67.2V
	ShortCircuitProdtection	Shutdown. Auto recovery when fault condition been removed.						
OTHERS	Setup time	-----						
	Rise time	<100mS						
	Hold up time	>20mS@230V						
	Cooling	Natural cooling						
Environment	Temperature	Operating: 0~70°C; derating: 41°C ~70°C : 2.0%/°C. Storage: -10~+75°C						
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)						
M.T.B.F.	270K hours							
SAFETY	Meet UL 1950, CSA C22.2 No. 950, TUV EN 60950, IEC 950, EMKO-TSE (74-SEC)207/94							
EMC	EMI	FCC CFR 47 PART 15 CLASS B, EN 50081-1, CNS 13438 CALSS B.						
	EMS	EN 50082-1 (1997)						



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Dimension:

CONNECTORS:  
AC INPUT :  
CN1 MOLEX 5277-05 OR EQUIVALENT.  
DC OUTPUT :  
CN2 MOLEX 5273-08 OR EQUIVALENT.

