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SPS-100 Series

SPS-100P Series

100W, Single Output

Power Factor Correction (Option)



198 x 95 x 38 mm

7.80 x 3.74 x 1.50 inch



Features:

- * Power ON with LED indicator
- * Built-in EMI filter, low ripple noise
- * Over load, over voltage, short circuit protection, shutdown and Auto recovery.
- * Current Sharing function (option)
- * Non min load requirement
- * Output voltage $\pm 10\%$ adjustment
- * 100% 50 burn-in test
- * UL, cUL, TUV, CE approved
- * 3 years warranty

Specification:

INPUT	Voltage	Universal full range 88V~264VAC or 120V~375VDC.						
	Frequency	47 ----- 63 Hz						
	Current	< 3A @100V AC input.						
	Inrush Current	<35A@115V / <70A@230V AC input.						
	Leakage Current	SPS-100 SER. : <1.5mA@264V AC input, SPS-100P SER. : <2mA@264V AC input.						
OUTPUT	MODEL	SPS-100-3.3 SPS-100P3.3	SPS-100-05 SPS-100P05	SPS-100-12 SPS-100P12	SPS-100-15 SPS-100P15	SPS-100-24 SPS-100P24	SPS-100-48 SPS-100P48	
	Voltage	3.3V	5V	12V	15V	24V	48V	
	Max. Load	25A	20A	9.8A	7.84A	4.9A	2.1A	
	Regulation	$\pm 3\%$	$\pm 2\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	
	Ripple Noise (MAX.)	50mV	50mV	120mV	150mV	240mV	300mV	
	Efficiency (TYP.)	66%	74%	78%	78%	80%	82%	
	Max Power	75W	100W	100W	100W	100W	100W	
PROTECTION	Over Voltage	3.8V~4.6V	5.8V~7.0V	13.8V~17.5V	17.3V~21V	27.6V~33.6V	55.2V~67.2V	
	Over Load	Over 105% ~ 180% of rating, shutdown and recovers automatically after fault condition has been removed.						
	Short Circuit	Shutdown, recovers automatically after fault condition has been removed.						
OTHERS	Rise time	<20mS						
	Hold up time	>16.7mS@115V, >80mS@230V						
	Setup time	<3sec @ 115V / <1sec @ 230V						
	Current Sharing	This power supply will share output current at least 60% : 40% .						
	Cooling	Natural cooling						
Environment	Temperature	Operating: -10~70 ; De-rating: 50 ~70 : 2.0%/ ; Storage: -10~+75 .						
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)						
M.T.B.F.	SPS-100 Ser.	277K hours						
	SPS-100P Ser.	271K hours						
SAFETY	UL 1950 3 rd , CSA C22.2 No. 950-95 3 rd , TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94 approved.							
EMC	EMI Standard	EN 55022 CLASS B : EN 61000-3-2,3, FCC CFR 47 PART 15 CLASS B, CNS 13438 CALSS B. (EN 61000-3-2,3 only for SPS-100P series).						
	EMS Standard	EN 55024 : EN 61000-4-2,3,4,5,6,8,11						
PACKING	N.W.: 0.79Kg / 1pc; 24pcs / 1.22Cu ft ³ / 1 CTN							

