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SPS-100-T Series SPS-100PT Series

100W, Dual Output

Power Factor Correction Circuit



198 x 95 x 38mm
7.80 x 3.74 x 1.50inch



Features:

- * Universal AC input, PFC function (option)
- * Built-in EMI filter, low ripple noise
- * Over load, over voltage & short circuit protection
- * 100% 50°C burn-in test
- * UL, cUL, TUV, CB, CE approved
- * 2 years warranty

Specification:

INPUT	Voltage	88V --- 264VAC or 120 --- 375VDC, universal full range											
	Frequency	47 ----- 63 Hz											
	Current	3.0A max at 100V AC input, full load condition											
	Inrush Current	<35A@115V / <70A@230V AC input.											
	Leakage Current	<1.5mA@264V AC input											
	P.F.C.	SPS-100PT SER. with power factor correction circuit.											
OUTPUT	MODEL NO.	SPS-100-T1 SPS-100PT1			SPS-100-T2 SPS-100PT2			SPS-100-T3 SPS-100PT3			SPS-100-T4 SPS-100PT4		
	Voltage	V1 +5 V	V2 +12 V	V3 -5V	V1 +5 V	V2 +12 V	V3 -12 V	V1 +5 V	V2 +15 V	V3 -15 V	V1 +5 V	V2 +12 V	V3 +24V
	Min. Load	0.5 A	0.1 A	0A	0.5 A	0.1 A	0 A	0.5 A	0.1 A	0 A	0.5 A	0.1 A	0 A
	Max. Load	12 A	5 A	1.5A	12 A	5 A	1.5 A	12 A	3 A	1.5 A	12 A	3 A	2 A
	Regulation	±4%	± 5%	± 10%	±4%	± 5%	± 10%	±4%	± 5%	± 10%	±4%	± 5%	± 10%
	Ripple & Noise (MAX.)	50 mV	120 mV	100 mV	50 mV	120 mV	150 mV	50 mV	150 mV	200 mV	50 mV	120 mV	240 mV
	Efficiency (TYP.)	73%			74%			75%			75%		
	Max. Power	100W											
	PROTECTION	Over Voltage Protection	+5V: 5.8V~7.0V										
Over Load Protection		Over 105% ~ 180% of rating, recovers automatically after fault condition removed.											
Short Circuit Protection		Shutdown, recovers automatically after fault condition removed.											
OTHERS	Rise time	<20mS											
	Hold up time	16.7mS/115VAC, 80mS/230VAC											
	Setup time	3Sec@115VAC, 1Sec@230VAC											
	Cooling	Natural Cooling											
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.	267K hours												
SAFETY	UL 1950 3 rd , CSA C22.2 No.950 3 rd , TUV EN 60950, IEC 60950, EMKO-TSE(74-SEC)207/94 approved.												
EMC	EMI Standards	EN 55022 - FCC CFR 47 PART 15 CLASS B • CNS 13438 CLASS B.											
		SPS-100PT SER. meet EN 61000-3-2 class A											
	EMS Standards	EN 55024 : EN 61000-4-2,3,4,5,6,8,11.											

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