

SPS 100PD

Dual

100W

Country of Origin : Taiwan

Operating Temperature : 0 ~ 70° C

Dimension : 198 x 95 x 38 mm

Approvals / Marks : UL, c-UL, TÜV, CB, CE



Features:

Universal AC input with Power Factor Correction

Built-in EMI filter, low ripple noise

Over load, over voltage & short circuit protection

100% 50°C burn-in test

1 year warranty

Specification:

MODEL NO.		SPS-100-PD1		SPS-100-PD2		SPS-100-PD3		SPS-100-PD4	
		V1	V2	V1	V2	V1	V2	V1	V2
OUTPUT	Voltage	+5 V	+12 V	+5 V	+24 V	+12 V	-12 V	+15 V	-15 V
	min. Load	0.3 A	0.1 A	0.3 A	0.1 A	0.3 A	0.1 A	0.3 A	0.1 A
	max. Load	12 A	6 A	10 A	4 A	4.9 A	4.9 A	3.92 A	3.92 A
	Tolerance	±3%	± 5%	± 3%	± 5%	± 2%	± 10%	± 2%	± 10%
	Ripple & Noise (max)	50 mV	120 mV	50 mV	240 mV	120 mV	120 mV	150 mV	150 mV
	Efficiency (typ)	75%		76%		76%		76%	
Max. Output Power		100W							
INPUT	Voltage	88 ~ 264 VAC / 120 ~ 375VDC Universal input							
	Frequency	47 ~ 63 Hz							
	Current	<3A@100VAC input, full load condition							
	Inrush Current	< 35A@115VAC / < 70A@230VAC input, full load condition. Cold start at 25°C ambient							
	Leakage Current	< 1.5mA@264VAC input							
	P.F.C.	meets IEC 1000-3-2 class A							
PROTECTION	Over Load	Over 105% ~ 180% of rating, Shutdown, auto recovery after fault has been removed							
	Over Voltage	5.8 ~ 7V		5.8 ~ 7V		13.8 ~ 17.5V		17.3 ~ 21V	
	Over Temp.	-							
	Short Circuit	Shutdown, auto recovery after fault has been removed							
OTHERS	Setup time	< 300ms@230VAC / < 800ms@115VAC							
	Rise time	≤ 20ms							
	Holdup time	> 80ms@230VAC / > 16.7ms@115VAC							
	Cooling	Natural Cooling							
Switching Frequency		50KHz (fixed)							
Environment	Temperature	Operating: 0 ~ 70°C / Derating: 45 ~ 70°C: 2%/°C / Storage: -10 ~ 75°C							
	Humidity	Operating: 20% ~ 85% RH / Storage: 10% ~ 95% RH (non condensing)							
M.T.B.F.		> 261K hours (according to MIL-HDBK-217F at 25°C environment)							
SAFETY		Approved: UL 60950 / CSA C22.2 No.60950 / TÜV EN60950 / IEC 60950 / EMKO-TSE (74-SEC)207/94							
EMC	EMI	FCC CFR 47 PART 15 CLASS B / EN 50081-1 / EN55022 / EN61000-3-2,3 / CNS 13438 CLASS B							
	EMS	EN 50082-1 (1997) / EN61000-4-2,3,4,5,6,8,11							
WEIGHT		N.W.: 0.7 kg/pc							