



SUNPOWER TECHNOLOGY CORP.
 16F-1, No.150, Jian Yi Rd., Chung Ho City, Taipei Hsien, Taiwan, R.O.C.
 TEL: 886-2-8226-3100 FAX: 886-2-8226-3111
 http://www.sunpower.com.tw
 E-mail: sunpower@sunpower.com.tw

SPS-100-D Series SPS-100PD 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-100PD SER. with power factor correction circuit.							
OUTPUT	MODEL NO.	SPS-100-D1 SPS-100PD1		SPS-100-D2 SPS-100PD2		SPS-100-D3 SPS-100PD3		SPS-100-D4 SPS-100PD4	
	Voltage	V1 +5 V	V2 +12 V	V1 +5 V	V2 +24 V	V1 +12 V	V2 -12 V	V1 +15 V	V2 -15 V
	Min. Load	0.5 A	0.1 A	0.5 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
	Regulation	±3%	± 5%	± 3%	± 5%	± 3%	± 10%	±3%	± 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. Power	100W							
PROTECTION	Over Voltage Protection	+5V: 5.8V~7.0V				+12V: 13.8V~17.5V		+15V: 17.3V~21V	
	Over Load Protection	Over 105% ~ 180% of rating, shutdown and recovers automatically after fault condition has been 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°C; De-rating: 50°C ~70°C : 2.5%/°C. Storage: -10~+75°C							
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)							
M.T.B.F.	261K 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-100PD SER. meet EN 61000-3-2 class A							
	EMS Standards	EN 55024 : EN 61000-4-2,3,4,5,6,8,11.							



SUNPOWER TECHNOLOGY CORP.
 16F-1, No.150, Jian Yi Rd., Chung Ho City, Taipei Hsien, Taiwan, R.O.C.
 TEL: 886-2-8226-3100 FAX: 886-2-8226-3111
<http://www.sunpower.com.tw>
 E-mail: sunpower@sunpower.com.tw

Dimension:

