



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-M060-D Series

60W , Dual Output

Power Supply For Medical



82 x 127 x 35 mm

3.23 x 5 x 1.5 inch



Features:

- * Power ON with LED indicator
- * Over load, over voltage and short circuit protection
- * Built in EMI filter, low ripple noise
- * Built-in long life ball bearing fan
- * Meet UL, 2601-1 medical standard
- * 3 years warranty

Specification:

INPUT	Voltage	Universal input 85~264 VAC or 120~375VDC							
	AC Frequency	47 ----- 63 Hz							
	Current	1.8A max at 100V AC input, full load condition							
	Inrush Current	<30A@115V / <60A@230V AC input, full load condition. Cold start at 25 ambient							
	Leakage Current	<0.5mA@264V AC input							
OUTPUT	MODEL	SPS-M060-D1		SPS-M060-D2		SPS-M060-D3		SPS-M060-D4	
	Voltage	+ 5 V	+ 12 V	+ 5 V	+ 24 V	+ 12 V	- 12 V	+ 15 V	- 15 V
	Min. Load	0.5 A	0.3 A	0.5 A	0.3 A	0.5 A	0.3 A	0.5 A	0.3 A
	Max. Load	10 A	3.0 A	6.0 A	2.5 A	5.0 A	2.5 A	4.0 A	2.0 A
	Regulation	± 3 %	± 5 %	± 3 %	± 6 %	± 3 %	± 8 %	± 3 %	± 8 %
	Ripple Noise(MAX.)	50 mV	120 mV	50 mV	240 mV	120 mV	120 mV	150 mV	150 mV
	EFFICIENCY(MIN.)	75 %				77 %			
PROTECTION	Over Voltage Protection	+5.8 ~7.0 V	---	+5.8 ~7.0 V	---	+13.8~17.5V	---	+17.3~21.0V	---
	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 has been removed.							
OTHERS	Rise time	<20mS							
	Setup time(TYP)	800mS @115V, 300mS @230V							
	Hold up time	>16.7mS@115V; >60mS@230V							
	Cooling	Natural Cooling							
Environment	Temperature	Operating: 0~70 ; Derating: 50 ~70 : 3.0%/ . Storage: -10~+75 (non condensing)							
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)							
M.T.B.F.		379K hours							
SAFETY		UL 2601-1 2 nd , CSA C22.2 No.601-101-94 3 rd , TUV EN 60601-1, IEC 60601-1-1 2 nd , VDE DIN-EN 60601-1-4(1999) pending.							
EMC	EMI	FCC CFR 47 CH.1 PART 18 CLASS B, EN 50081-1:1992, EN 55011, CNS 13438 CALSS B, ENV 50204(1995), EN60601-1-2(1997)							
	EMS	EN 50082-1 (1997)							
PACKING		N.W.: --Kg / 1pc; 30pcs / 1.24 Cu ft ³ / 1 CTN							



SPS-M060-D Series

