

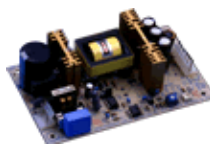


SUNPOWER TECHNOLOGY CORP.
 16F-1, No.150, Jian Yi Rd., Chung Ho City, Taipei Hsien, Taiwan, R.O.C.
 TEL: 886-2-8226-3100 FAX: 886-2-8226-3111
<http://www.sunpower.com.tw>
 E-mail: sunpower@sunpower.com.tw

SPP-F Series

40~65W, 1~4 Output

Open Frame Power Supply



Mounting Hole: 64.80 x 115.6 mm
 2.55 x 4.55 inch
 Dimension: 127 x 76.2 mm
 5.00 x 3.00 inch



(Only SPP-F061 and 065 with TUV mark.)

Features:

- * Light weight, compact size
- * High efficiency, high reliability
- * Low ripple noise
- * Over load, voltage, short circuit protection
- * 100% 50°C burn-in test
- * UL, CSA, CE approved
- * Meet EMI EN55022 & EMS EN55024 standard
- * 1 years warranty

Specification:

INPUT	Voltage		Universal full range 90 ~ 264 VAC.					
	Frequency		47 ----- 63 Hz					
	Current	SPP-F040 ~049	<1.3A@100V AC input.					
		SPP-F060 ~063	<1.8A@100V AC input.					
		SPP-F065 ~067						
	Inrush Current		<20A@115V / <40A@230V AC input.					
	Leakage Current		<1.5mA@264V, AC input.					
OUTPUT	MODEL	Voltage	Min. Load	Max. Load	Regulation	Ripple & Noise (MAX.)	Efficiency (TYP.)	Dimension (inch)
	SPP-F040	V1 +5V	0.3A	3.0A	± 5 %	70mV	70%	H 1.35
		V2 +12V	0.1A	2.0A	± 10 %	100mV		
		V3 -5V	0A	0.3A	± 5 %	150mV		
		V4 -12V	0A	0.3A	± 10 %	240mV		
	SPP-F041	V1 +5V	0.3A	3.0A	± 5 %	70mV	70%	H 1.35
		V2 +12V	0.1A	2.0A	± 5 %	150mV		
		V3 -12V	0A	0.3A	± 10 %	240mV		
	SPP-F042	V1 +5V	0.3A	3.0A	± 5 %	70mV	70%	H 1.35
		V2 +12V	0.1A	2.0A	± 5 %	100mV		
		V3 -5V	0A	0.3A	± 5 %	150mV		
	SPP-F043	V1 +5V	0.3A	3.0A	± 5 %	70mV	70%	H 1.35
		V2 +12V	0.1A	2.0A	± 5 %	150mV		
	SPP-F044	V1 +5V	0.3A	3.0A	± 5 %	50mV	70%	H 1.35
		V1 +15V	0.1A	1.5A	± 5 %	150mV		
		V3 -15V	0A	0.3A	± 10 %	150mV		
	SPP-F045	V1 +5V	0.3A	5.0A	± 5 %	50mV	70%	H 1.35
		V2 +12V	0.1A	1.5A	± 5 %	120mV		
		V3 -5V	0A	0.3A	± 10 %	100mV		
	SPP-F046	V1 +5V	0.3A	8.0A	± 5 %	70mV	66%	H 1.35
	SPP-F047	V1 +12V	0.1A	3.5A	± 5 %	120mV	72%	H 1.35
		V2 -12V	0A	0.3A	± 10 %	240mV		
	SPP-F048	V1 +15V	0.1A	2.7A	± 5 %	240mV	77%	H 1.35
		V2 -15V	0A	0.3A	± 10 %	150mV		
	SPP-F049	V1 +24V	0.1A	1.8A	± 5 %	240mV	78%	H 1.35
	SPP-F060	V1 +5V	0.3A	4.0A	± 5 %	70mV	72%	H 1.50
		V2 +12V	0.1A	3.0A	± 5 %	120mV		
		V3 -12V	0A	0.3A	± 10 %	240mV		
		V4 -5V	0A	0.3A	± 10 %	100mV		
	SPP-F061	V1 +5V	0.3A	4.0A	± 5 %	70mV	73%	H 1.50
		V2 +12V	0.1A	3.0A	± 5 %	120mV		
		V3 -12V	0A	0.3A	± 10 %	240mV		

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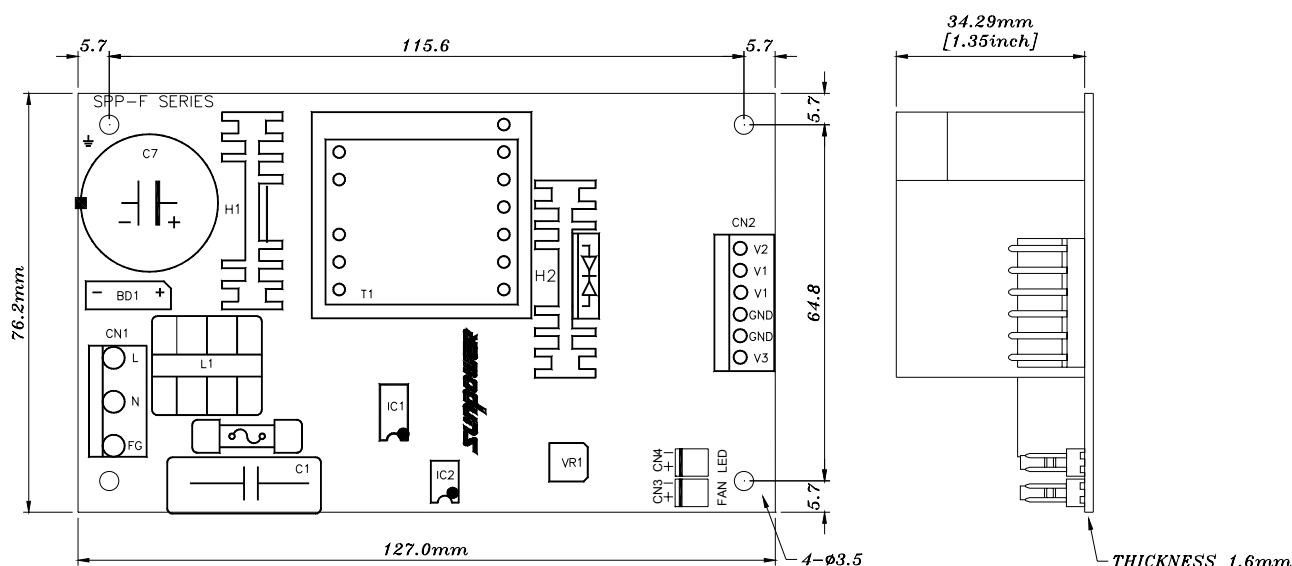
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OUTPUT	SPP-F062	V1	+5V	0.3A	5.0A	± 5 %	70mV	73%	H 1.50
		V2	+12V	0.1A	3.0A	± 5 %	120mV		
		V3	-5V	0A	0.3A	± 10 %	100mV		
	SPP-F063	V1	+5V	0.3A	6.0A	± 5 %	70mV	74%	H 1.50
		V2	+12V	0.1A	2.5A	± 5 %	120mV		
	SPP-F065	V1	+12V	0.1A	5.0A	± 5 %	120mV	73%	H 1.50
		V2	-12V	0A	0.3A	± 10 %	240mV		
	SPP-F066	V1	+15V	0.1A	4.0A	± 5 %	150mV	77%	H 1.50
		V2	-15V	0A	0.3A	± 10 %	300mV		
	SPP-F067	V1	+24V	0.1A	2.5A	± 2 %	100mV	80%	H 1.50
PROTECTION	Over Voltage Protection		SPP-F040~SPP-F046 & SPP-F060~SPP-F063 : +5.8V~+7.0V, SPP-F047 & SPP-F065 : +13.8V ~+17.5V SPP-F048 & SPP-F066 : +17.3V ~+21.0V SPP-F049 & SPP-F067 : +27.6V~+33.6V						
	Short Circuit Protection		Go into "HICCUP MODE". Auto recovery when fault condition been removed.						
OTHERS	Rise time		<20mS						
	Hold up time		>20mS@230V						
	Setup time		<800mS@115V / <300mS@230V AC input						
Environment	Temperature		Operating: -10~70℃; De-rating: 50℃ ~70℃ : 2.5%/℃. Storage: -20~+75℃						
	Humidity		Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)						
M.T.B.F.			324K hours						
SAFETY			UL 1950 2 nd , CSA C22.2 No. 950 , TUV EN 60950-1 st , IEC 60950, EMKO-TSE (74-SEC)207/94 approved . (Only SPP-F061and 065 with TUV mark.)						
EMC	EMI		EN 55022 CLASS B 、 FCC CFR 47 PART 15 CLASS B 、 CNS 13438 CLASS B.						
	EMS		EN 55024 : EN 61000-4-2,3,4,5,6,8,11.						

Dimension:

SPP-F Series

**Connectors:****AC Input :**

CN1, Molex 5273-05A or equivalent.

DC Output :

CN2, Molex 5273-06A or equivalent.

Fan & Led Connector :

CN3 & CN4, Molex 5045-2A or equivalent.