



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

SPU-100-Q1

100W, Quad Output



133.5 x 84 x 38 mm
5.26 x 3.30 x 1.50 inch

Features:

- * Universal full range AC 90 ~ 264V
- * Light weight, compact size
- * High efficiency, high reliability
- * Built in EMI filter, low ripple noise
- * Over load, over voltage, short circuit protection
- * 100% 50°C burn-in test
- * Meet UL, cUL, TUV, CB, CE standard
- * 2 years warranty

Specification:

		V1	V2	V3	V4
OUTPUT	Voltage	+5V	+12V	-5V	-12V
	Min. Load	1A	0A		
	Max. Load	12A	3.5A	0.5A	
	Regulation	±5%	±6%	±10%	±10%
	Ripple Noise(max)	60mV	100mV	150mV	240mV
	Efficiency (typ)	72%			
	Max. Output	Natural cooling: 80W; forced air cooling: 100W			
INPUT	Voltage	AC 90 ~ 264V universal full range			
	Frequency	47 ~ 63 Hz			
	Current	<3A@100V AC input, full load condition			
	Inrush Current	<30A@115V / <60A@230V AC input, full load condition. Cold start at 25°C ambient			
	Leakage Current	<1mA@264V AC input			
PROTECTION	Over Load Protection	Shutdown when over 105% ~ 180% of rating, recovers automatically after fault condition has been removed.			
	Over Voltage Protection	+5.8V ~ +7.0V	+13.8V ~ +17.5V	---	---
	Short Circuit Protection	Shutdown, recovers automatically after fault condition has been removed.			
OTHERS	Rise time	<20mS			
	Hold up time	>16.7mS@115V; >80mS@230V			
	Cooling	Natural Cooling, when output exceed 80W, a 16 CFM(min.) DC fan is required.			
Environment	Temperature	Operating: 0~70°C; de-rating: 45°C ~70°C : 2.5%/°C. Storage: -10~+75°C			
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)			
M.T.B.F.		260K hours			
SAFETY		UL 60950 3 rd , CSA C22.2 No.950-95 3 rd , TUV EN 60950-1 st , IEC 60950-1 st , EMKO-TSE (74-SEC)207/94 CCC GB 4943 Standard			
EMC	EMI	FCC CFR 47 PART 15 CLASS B, EN 50081-1, CNS 13438 CALSS B.			
	EMS	EN 50082-1 (1997)			
PACKING		N.W.: 0.45Kg / 1pc; 30pcs / 1.18 Cu ft ³ / 1 CTN			

**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:****SPU-100-Q1**