

**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 Series

U Bracket Power Supply

100W, Single Output



133.5 x 84 x 38mm

5.26 x 3.30 x 1.50inch



(5V & 24V only)

Features:

- * Universal full range AC 90 ~ 264V
- * Built in EMI filter, low ripple noise
- * Over load, over voltage, short circuit protection
- * Output voltage $\pm 10\%$ adjustment
- * Non min load requirement
- * 100% 50°C burn-in test
- * UL, cUL, TUV, CB, CE certified (SPU-100-3.3, SPU-100-12, SPU-100-15 meet)
- * 2 years warranty

Specification:

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						
OUTPUT	MODEL		SPU-100-3.3	SPU-100-05	SPU-100-12	SPU-100-15	SPU-100-24	SPU-100-28	SPU-100-48
	Voltage		3.3V	5V	12V	15V	24V	28V	48V
	Max. Load		25A	20A	8.5A	6.8A	4.2A	3.6A	2.1A
	Regulation		±3%	±2%	±1%				
	Ripple Noise(max)		50mV		120mV	150mV	240mV		
	Efficiency (typ)		66%	72%	75%	77%	80%		
PROTECTION	Over Voltage	Protect Range	3.8V~4.6V	5.8V~7.0V	13.8V~17.5V	17.3V~21V	27.6V~33.6V	32.2V~39.2V	55.2V~67.2V
		Protection	Shut down when over voltage, recovers automatically after fault condition has been removed.						
	Over Load Protection		Shut down when over 105% ~ 180% of rating, recovers automatically after fault condition has been						
	Short Circuit Protection		Shut down when short circuit, recovers automatically after fault condition has been removed.						
OTHERS	Rise time		<50mS (SPU-100-05, SPU-100-24: <20 mS)						
	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.			282K hours (SPU-100-05, SPU-100-24: 289K hours)						
SAFETY			UL 60950, CSA C22.2 No.950-95, TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94						
EMC	EMI	FCC CFR 47 PART 15 CLASS B, EN 50081-1, CNS 13438 CALSS B.							
	EMS	EN 50082-1 (1997)							
PACKING			N.W.: 0.45Kq / 1pc; 30pcs / 1.18 Cu ft³ / 1 CTN						

Dimension: