



SUNPOWER TECHNOLOGY CORP.
16F-1, No.150, Jian Yi Rd., Chung Ho City, Taipei Hsien, Taiwan, R.O.C.
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SPU-230-Q Series

230Watts, Quad Output
AC-DC Power Supply



203 x 114 x 50mm
7.99 x 4.49 x 1.98inch

Features:

- * High efficiency, high reliability
- * Built in EMI filter, low ripple noise
- * AC 90~132 V / 180~264V auto sensing
- * Frequency 47~63 Hz
- * Over load, over voltage, short circuit protection
- * Built-in long life Ball-bearing FAN
- * 100% 50°C burn-in test
- * UL, cUL, TUV, CB, CE standard
- * 2 years warranty

Specification:

MODEL		SPU-230-Q1				SPU-230-Q2				SPU-230-Q3			
OUTPUT	Voltage	V1 +5 V	V2 +12 V	V3 -12 V	V4 -5 V	V1 +5 V	V2 +15 V	V3 -15 V	V4 -5 V	V1 +5 V	V2 +12V	V3 -12V	V4 +24V
	Min. Load	3 A	1 A	0A	0 A	3 A	1 A	0A	0 A	3 A	1 A	0 A	0A
	Max. Load	35 A	12 A	2 A	2 A	30 A	10A	2 A	2 A	25 A	10 A	2A	3A
	Regulation	±5%	±5%	±10%	±5%	±5%	±6%	±10%	±5%	±5%	±5%	±10%	±5%
	Ripple Noise(max)	50mV	120mV	240mV	100mV	50mV	150mV	300mV	100mV	50mV	100mV	240mV	240mV
	Efficiency (typ)	74%				74%				74%			
INPUT	Voltage	AC 90~132 V or 180~264V auto sensing											
	Frequency	47 ----- 63 Hz											
	Current	<5.8A@115V / <3.5A@230V AC input, full load condition											
	Inrush Current	<35A@115V / <70A@230V AC input, full load condition. Cold start at 25℃ ambient											
	Leakage Current	<1.5mA@264V AC input											
PROTECTION	Over Load Protection	Over 105% ~ 150% of 230W, shutdown and recovers automatically after fault condition has been removed.											
	Over Voltage Protection	+5V: +5.8V - - - +7.0V											
	Short Circuit Protection	Shutdown, recovers automatically after fault condition has been removed.											
OTHERS	Rise time	<20mS											
	Hold up time	>20mS@230V											
	Cooling	Forced airflow cooling with a internal 16 CFM (MIN.) 12V DC FAN											
Environment	Temperature	Operating: 0~70℃; derating: 45℃ ~70℃ : 2.0%/℃. Storage: -10~+75℃											
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)											
M.T.B.F.		178K hours											
SAFETY		UL 60950, CSA C22.2 No.950-95, TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94 Standard											
EMC	EMI	FCC CFR 47 PART 15 CLASS B, EN 50081-1, CNS 13438 CALSS B.											
	EMS	EN 50082-1 (1997)											

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