

SPU-100 Series

100W, Single Output



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



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:

MODEL	SPU-100-3.3	SPU-100-05	SPU-100-12	SPU-100-15	SPU-100-24	SPU-100-28	SPU-100-48	
OUTPUT	Voltage	3.3V	5V	12V	15V	24V	48V	
	Min. Load							0A
	Max. Load	25A	20A	8.5A	6.8A	4.2A	3.6A	2.1A
	Regulation	$\pm 3\%$	$\pm 2\%$					$\pm 1\%$
	Ripple Noise(max)	50mV		120mV	150mV	240mV		
Efficiency (tpy)	66%	72%	75%	77%	80%			
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	Over 105% ~ 180% of rating, recovers automatically after fault condition has been removed.						
	Over Voltage Protection	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
	Short Circuit Protection	Shutdown, 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; derating: 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.: 0.45Kg / 1pc; 30pcs / 1.18 Cu ft ³ / 1 CTN							

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