



100W Power Supply

This high power switch mode industrial power supply is ideal for large scale installations and offers high reliability for minimal maintenance.

	Model	S-100-3	S-100-5	S-100-7.5	S-100-10	S-100-12	S-100-15	S-100-18	S-100-24	S-100-27	S-100-48	
Output	DC Voltage	3V	5V	7.5V	10V	12V	15V	18V	24V	27V	48V	
	Rated Current	20A	20A	13.6A	10A	8.5A	6.7A	5.6A	4.5A	3.7A	2A	
	Current Range	0 ~ 20A	0 ~ 20A	0 ~ 13.6A	0 ~ 10A	0 ~ 8.5A	0 ~ 6.7A	0 ~ 5.6A	0 ~ 4.5A	0 ~ 3.7A	0 ~ 2A	
	Rated Power	60W	100W	102W	100W	102W	100.5W	100.8W	108W	99.9W	96W	
	Ripple & Noise (max.)	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	
	Voltage Adj. Range	2.85 ~ 3.3V	4.75 ~ 5.5V	6.75~8.25V	9 ~ 11V	10.8~13.2V	13.5~16.5V	16.2~19.8V	21.6~26.4V	26 ~ 32V	43.2~52.8V	
	Voltage Tolerance	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	Line Regulation	±0.5%	±0.5%	±0.5%	±0.3%	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%	±0.2%	
	Load Regulation	±0.5%	±0.5%	±0.5%	±0.3%	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%	±0.2%	
	Setup, Rise Time	200ms, 80ms at full load										
Hold Time	20ms at full load											
Input	Voltage Range	85 ~ 132VAC/180 ~ 264VAC selected by switch				255 ~ 370VDC						
	Frequency Range	47 ~ 63Hz										
	Efficiency (Typ.)	70%	78%	80%	80%	81%	81%	82%	84%	84%	84%	
	AC Current (Typ.)	2.4A/115VAC		1.2A/230VAC								
	In Rush Current (Max.)	COLD START 30A/115VAC			60A/230VAC							
	Leakage Current	<1mA / 240VAC										
Environment	Over load	105 ~ 150% rated output power (150 ~ 200% rated output power for S-100-7.5 only)										
	Working Temp.	-10 ~ +60°C (Refer to output load derating curve)										
	Working Humidity	20 ~ 90% RH non-condensing										
	Storage Temp. Humidity	-20 ~ +85°C , 10 ~ 95% RH										
	Temp. Coefficient	±0.03%/°C (0 ~ 50°C)										
Safety & EMC	Vibration	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes										
	Safety Standards	Design refer to UL1012										
	Withstand Voltage	I/P-O/P:1.5KVAC		I/P-FG:1.5KVAC		O/P-FG:0.5KVAC						
Others	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC										
	EMI Conduction & Radiation	Design refer to FCC Part15 J Conduction Class B										
	MTBF	322.4K hrs min.		MIL-HDBK-217F (25°C)								
	Dimension	199*98*38mm (L*W*H)										
Notes	Packing	0.8Kg; 16pcs/13.8Kg/0.95CUFT										
	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p>											