



# 150W Power Supply

	Model	S-150-5	S-150-7.5	S-150-9	S-150-12	S-150-13.5	S-150-15	S-150-24	S-150-27	S-150-48	
Output	DC Voltage	5V	7.5V	9V	12V	13.5V	15V	24V	27V	48V	
	Rated Current	30A	20A	16.7A	12.5A	11.2A	10A	6.5A	5A	3.2A	
	Current Range	0 ~ 30A	0 ~ 20A	0 ~ 16.7A	0 ~ 12.5A	0 ~ 11.2A	0 ~ 10A	0 ~ 6.5A	0 ~ 5.6A	0 ~ 3.2A	
	Rated Power	150W	150W	150.3W	150W	151.2W	150W	156W	151.2W	153.6W	
	Ripple & Noise (max.)	150mVp-p	180mVp-p	180mVp-p	180mVp-p	180mVp-p	180mVp-p	240mVp-p	240mVp-p	240mVp-p	
	Voltage Adj. Range	4.5 ~ 5.5V	6 ~ 8.3V	8 ~ 10.4V	10.6 ~ 13.2V	12 ~ 15V	13.5 ~ 16.5V	21 ~ 28V	24 ~ 30V	43 ~ 53V	
	Voltage Tolerence	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	Line Regulation	±0.5%	±0.5%	±0.3%	±0.3%	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%	
	Load Regulation	±0.5%	±0.5%	±0.3%	±0.3%	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%	
	Setup, Rise Time	100ms, 50ms at full load									
	Hold Time (Typ.)	28ms at full load									
Input	Voltage Range	88 ~ 132VAC/176 ~ 264VAC selected by switch				248 ~ 370VDC					
	Frequency Range	47 ~ 63Hz									
	Efficiency (Typ.)	78%	80%	80%	82%	83%	84%	85%	86%	87%	
	AC Current (Typ.)	3.2A/115VAC		1.6A/230VAC							
	In Rush Current (Typ.)	COLD START 35A									
Protection	Leakage Current	<3.5mA / 240VAC									
	Over load	105 ~ 150% rated output power									
	Over Voltage	Protection type : Shut down o/p voltage, re-power on to recover 5.75~6.75V 8.63~0.13V 10.35~12.2V 13.8~16.2V 15.53~18.2V 17.25~20.3V 30~34.8V 31.1~36.45V 55.2~64.8V Protection type : Shut down o/p voltage, re-power on to recover									
Environment	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	UL1012, UL60950-1, TUV EN60950-1 Approved									
	Withstand Voltage	I/P-O/P:3KVAC			I/P-FG:1.5KVAC			O/P-FG:0.5KVAC			
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC									
	EMI Conduction & Radiation	Compliance to EN55022 (CISPR22) Class B									
Others	Harmonic Current	Compliance to EN61000-3-2,-3									
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, Light industry level, criteria A									
	MTBF	286.7K hrs min. MIL-HDBK-217F (25°C)									
Notes	Dimension	199*110*50mm (L*W*H)									
	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 &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</p>											