



150W 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-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
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								
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								
Leakage Current	<3.5mA / 240VAC								
Over load	105 ~ 150% rated output power								
	Protection type : Shut down o/p voltage, re-power on to recover								
Over Voltage	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								
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)								
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								
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)								
Dimension	199*110*50mm (L*W*H)								
Packing	0.8Kg; 16pcs/13.8Kg/0.95CUFT								
Notes	<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> <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>								