



240W 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-240-5	S-240-7.5	S-240-12	S-240-15	S-240-24	S-240-30	S-240-48	
Output	DC Voltage	5V	7.5V	12V	15V	24V	48V	
	Rated Current	40A	30A	18A	15A	10A	5A	
	Current Range	0 ~ 40A	0 ~ 30A	0 ~ 18A	0 ~ 15A	0 ~ 10A	0 ~ 8A	
	Rated Power	200W	225W	216W	225W	240W	240W	
	Ripple & Noise (max.)	150mVp-p	200mVp-p	150mVp-p	150mVp-p	180mVp-p	240mVp-p	
	Voltage Adj. Range	4.5 ~ 5.8V	6 ~ 9V	10 ~ 14V	12 ~ 18V	20 ~ 28V	27 ~ 33V	
	Voltage Tolerance	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±1.0%	
	Load Regulation	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±1.0%	
	Setup, Rise Time	1000ms, 20ms at full load						
Hold Time (Typ.)	36ms at full load							
Input	Voltage Range	88 ~ 132VAC / 176 ~ 264VAC auto switch		248~370VDC				
	Frequency Range	47 ~ 63Hz						
	Efficiency (Typ.)	78%	80%	82%	83%	84%	85%	87%
	AC Current (Typ.)	5A/115VAC	2.5A/230VAC					
	In Rush Current (Typ.)	15A/115VAC	30A/230VAC					
	Leakage Current	<2mA / 240VAC						
Protection	Over load	105 ~ 135% rated output power						
		Protection type : Hiccup mode, recovers automatically after fault condition is removed.						
	Over Voltage	6 ~ 7V	9.4 ~ 10.9V	14.4 ~ 16.8V	18.5 ~ 21.5V	31.2 ~ 36V	34.5 ~ 40.5V	57.6 ~ 67.2V
	Protection type : Hiccup mode, recovers automatically after fault condition is removed.							
Fan Control, O.T.P.	RT1 ≥ 40°C FAN ON, ≤ 35°C FAN OFF, ≥ 70°C output shutdown							
Environment	Working Temp.	-10°C ~ +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 & EMC	Safety Standards	UL60950-1, TUV EN60950-1 Approved (7.5V Design refer to TUV EN60950-1)						
	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, Light industry level, criteria A						
Others	MTBF	179.3K hrs min.	MIL-HDBK-217F (25°C)					
	Dimension	190*93*65mm (L*W*H)						
	Packing	1.2Kg; 12pcs/15.3Kg/0.78CUFT						
Notes	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.							
	2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.							
	3. Tolerance : includes set up tolerance, line regulation and load regulation.							
	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.							