

75W Single Output Switching Power Supply LRS-75 series



SPECIFICATION

MODEL		LRS-75-12		LRS-75-24	
OUTPUT	DC VOLTAGE	12V		24V	
	RATED CURRENT	6A		3.2A	
	CURRENT RANGE	0 ~ 6A		0 ~ 3.2A	
	RATED POWER	72W		76.8W	
	RIPPLE & NOISE (max.) <small>Note.2</small>	120mVp-p		150mVp-p	
	VOLTAGE ADJ. RANGE	10.2 ~ 13.8V		21.6 ~ 28.8V	
	VOLTAGE TOLERANCE <small>Note.3</small>	± 1.0%		± 1.0%	
	LINE REGULATION <small>Note.4</small>	± 0.5%		± 0.5%	
	LOAD REGULATION <small>Note.5</small>	± 0.5%		± 0.5%	
	SETUP, RISE TIME	500ms, 30ms/230VAC 500ms,30ms/115VAC at full load			
HOLD UP TIME (Typ.)	60ms/230VAC 12ms/115VAC at full load				
INPUT	VOLTAGE RANGE	85 ~ 264VAC		120 ~ 373VDC	
	FREQUENCY RANGE	47 ~ 63Hz			
	EFFICIENCY (Typ.)	89%		90%	
	AC CURRENT (Typ.)	1.4A/115VAC 0.85A/230VAC			
	INRUSH CURRENT (Typ.)	COLD START 50A/230VAC			
	LEAKAGE CURRENT	<0.75mA / 240VAC			
PROTECTION	OVER LOAD	110 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed			
	OVER VOLTAGE	13.8 ~ 16.2V		28.8 ~ 33.6V	
	WORKING TEMP.	-30 ~ +70℃ (Refer to "Derating Curve")			
ENVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-condensing			
	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 10 ~ 95% RH			
	TEMP. COEFFICIENT	± 0.03%/℃ (0 ~ 50℃)			
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes			
SAFETY & EMC (Note 8)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, EN60335-1, EN61558-1/-2-16, CCC GB4943 approved			
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.25KVAC			
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC / 25℃ / 70% RH			
	EMC EMISSION	Compliance to EN55022 (CISPR22), GB9254 Class B, EN55014, EN61000-3-2,-3			
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A			
	MTBF	681.2K hrs min. MIL-HDBK-217F (25℃)			
	DIMENSION	99*97*30mm (L*W*H)			
NOTE	PACKING	0.3Kg / 45pcs/ 14.5Kg/ 0.77CUFT			
	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ 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. Line regulation is measured from low line to high line at rated load. 5. Load regulation is measured from 0% to 100% rated load. 6. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time. 7. The ambient temperature derating of 5℃/1000m is needed for operating altitude greater than 2000m(6500ft). 8. 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. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)				