

200W Single Output Switching Power Supply LRS-200 series



SPECIFICATION

MODEL	LRS-200-12		LRS-200-24	
OUTPUT	DC VOLTAGE	12V		24V
	RATED CURRENT	17A		8.8A
	CURRENT RANGE	0 ~ 17A		0 ~ 8.8A
	RATED POWER	204W		211.2W
	RIPPLE & NOISE (max.) Note.2	150mVp-p		150mVp-p
	VOLTAGE ADJ. RANGE	10.2 ~ 13.8V		21.6 ~ 28.8V
	VOLTAGE TOLERANCE Note.3	± 1.5%		± 1.0%
	LINE REGULATION Note.4	± 0.5%		± 0.5%
	LOAD REGULATION Note.5	± 1.0%		± 0.5%
INPUT	SETUP, RISE TIME	1300ms, 50ms/230VAC 1300ms, 50ms/115VAC at full load		
	HOLD UP TIME (Typ.)	16ms/230VAC 12ms/115VAC at full load		
	VOLTAGE RANGE	90 ~ 132VAC / 180 ~ 264VAC by switch 240 ~ 370VDC (switch on 230VAC)		
	FREQUENCY RANGE	47 ~ 63Hz		
	EFFICIENCY (Typ.)	87.5%		89.5%
	AC CURRENT (Typ.)	4A/115VAC 2.2A/230VAC		
PROTECTION	INRUSH CURRENT (Typ.)	COLD STAR 60A/115VAC 60A/230VAC		
	LEAKAGE CURRENT	<2mA / 240VAC		
	OVER LOAD	110 ~ 140% rated output power		
ENVIRONMENT	OVER VOLTAGE	13.8 ~ 16.2V		28.8 ~ 33.6V
	OVER TEMPERATURE	Hiccup mode, recovers automatically after fault condition is removed		
	WORKING TEMP.	-25 ~ +70°C (Refer to "Derating Curve")		
SAFETY	WORKING HUMIDITY	20 ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH		
	TEMP. COEFFICIENT	± 0.03%/°C (0 ~ 50°C)		
OTHERS	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes		
	SAFETY STANDARDS	UL60950-1 approved		
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC		
NOTE	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH		
	MTBF	347.5K hrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	215*115*30mm (L*W*H)		
	PACKING	0.66Kg; 15pcs/10.9Kg/0.78CUFT		
		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. 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 150% peak load capability is built in for up to 1 second for 12~48V. LRS-200 will enter hiccup mode if the peak load is delivered for over 1 second and will recover once it resumes to the rated current level(115VAC/230VAC).		