

350W Single Output Switching Power Supply LRS-350 series



SPECIFICATION

MODEL		LRS-350-12	LRS-350-24
OUTPUT	DC VOLTAGE	12V	24V
	RATED CURRENT	29A	14.6A
	CURRENT RANGE	0 ~ 29A	0 ~ 14.6A
	RATED POWER	348W	350.4W
	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%
	SETUP, RISE TIME	1300ms, 50ms/230VAC 1300ms, 50ms/115VAC at full load	
	HOLD UP TIME (Typ.)	16ms/230VAC 12ms/115VAC at full load	
INPUT	VOLTAGE RANGE	90 ~ 132VAC / 180 ~ 264VAC by switch 240 ~ 370VDC (switch on 230VAC)	
	FREQUENCY RANGE	47 ~ 63Hz	
	EFFICIENCY (Typ.)	85%	88%
	AC CURRENT (Typ.)	6.8A/115VAC	3.4A/230VAC
	INRUSH CURRENT (Typ.)	60A/115VAC	60A/230VAC
	LEAKAGE CURRENT	<2mA / 240VAC	
PROTECTION	OVER LOAD	110 ~ 140% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed	
	OVER VOLTAGE	13.8 ~ 16.2V	28.8 ~ 33.6V
	OVER TEMPERATURE	Protection type : Hiccup mode, recovers automatically after fault condition is removed Hiccup mode, recovers automatically after fault condition is removed	
FUNCTION	FAN ON/OFF CONTROL (Typ.)	RTH3 ≥ 50°C FAN ON, ≤ 40°C FAN OFF	
ENVIRONMENT	WORKING TEMP.	-25 ~ +70°C (Refer to "Derating Curve")	
	WORKING HUMIDITY	20 ~ 90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH	
	TEMP. COEFFICIENT	± 0.03%/°C (0 ~ 50°C)	
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes	
SAFETY	SAFETY STANDARDS	UL60950-1 approved	
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC	
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC / 25°C / 70% RH	
OTHERS	MTBF	327.9K hrs min. MIL-HDBK-217F (25°C)	
	DIMENSION	215*115*30mm (L*W*H)	
	PACKING	0.76Kg; 15pcs/12.4Kg/0.78CUFT	
NOTE		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-350 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).	