

350W SWITCHING POWER SUPPLY

Single Output Switching Power Supply

LRS-350-48



■ Features

- AC input range selectable by switch
- Withstand 300VAC surge input for 5 second
- Protections: Short circuit/Overload/Over Voltage/ Over temperature
- Forced air cooling by built-in DC fan
- 1U low profile
- No load power consumption<0.75W



MODEL		LRS-350-48
OUTPUT	DC VOLTAGE	48V
	RATED CURRENT	7.3A
	CURRENT RANGE	0 ~ 7.3A
	RATED POWER	350.4W
	RIPPLE & NOISE (max.) Note.2	200mVp-p
	VOLTAGE ADJ. RANGE	43.2 ~ 52.8V
	VOLTAGE TOLERANCE Note.3	±1.0%
	LINE REGULATION Note.4	±0.5%
	LOAD REGULATION Note.5	±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.)	89%
	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	55.2 ~ 64.8V Protection type : Hiccup mode, recovers automatically after fault condition is removed
	OVER TEMPERATURE	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, BSMI CNS14336-1, EAC TP TC 004 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
	EMC EMISSION	Compliance to BSMI CNS13438, EAC TP TC 020
	EMC IMMUNITY	Compliance to EAC TP TC 020
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).
8. The ambient temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m (6500ft).