



Client Date Qty
 Project Type PO#

LS-PSU-12V-350W LS-PSU-24V-350W

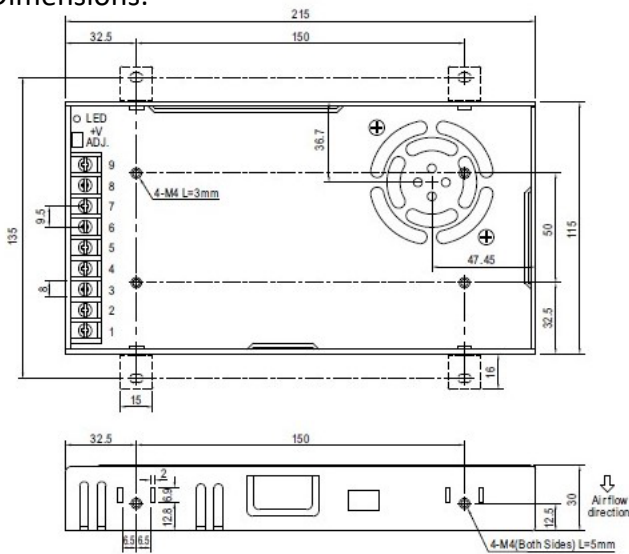


Description:

- AC input range selectable by switch
- Withstand 300VAC surge input for 5 second
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- 1U low profile
- Withstand 5G vibration test
- LED indicator for power on
- No load power consumption < 0.75W
- 100% full load burn-in test
- High operating temperature up to 70°C
- Operating altitude up to 5000 meters (Note.8)
- High efficiency, long life and high reliability

Manufacturer code: LRS-350 MEANVELL

Dimensions:



Terminal Pin No. Assignment:

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4-6	DC OUTPUT -V
2	AC/N	7-9	DC OUTPUT +V
3	FG		

Tableau de commande:

Modèle	Protection IP	Puissance	Voltage d'entrée	Voltage de sortie	Dimensions
LS-PSU-12V-350W	IP20	350W	120VAC	12VDC	215mm*115mm*30mm
LS-PSU-24V-350W	IP20	350W	120VAC	24VDC	215mm*115mm*30mm



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SPECIFICATION

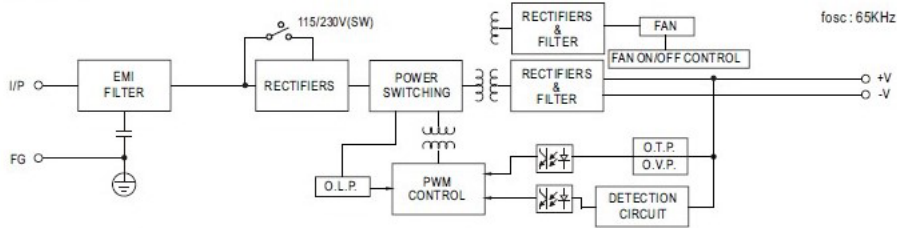
MODEL	LRS-350-3.3	LRS-350-4.2	LRS-350-5	LRS-350-12	LRS-350-15	LRS-350-24	LRS-350-36	LRS-350-48		
OUTPUT	DC VOLTAGE	3.3V	4.2V	5V	12V	15V	24V	36V	48V	
	RATED CURRENT	60A	60A	60A	29A	23.2A	14.6A	9.7A	7.3A	
	CURRENT RANGE	0 ~ 60A	0 ~ 60A	0 ~ 60A	0 ~ 29A	0 ~ 23.2A	0 ~ 14.6A	0 ~ 9.7A	0 ~ 7.3A	
	RATED POWER	198W	252W	300W	348W	348W	350.4W	349.2W	350.4W	
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p	
	VOLTAGE ADJ. RANGE	2.97 ~ 3.6V	3.6 ~ 4.4V	4.5 ~ 5.5V	10.2 ~ 13.8V	13.5 ~ 18V	21.6 ~ 28.8V	32.4 ~ 39.6V	43.2 ~ 52.8V	
	VOLTAGE TOLERANCE Note.3	±4.0%	±4.0%	±3.0%	±1.5%	±1.0%	±1.0%	±1.0%	±1.0%	
	LINE REGULATION Note.4	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	LOAD REGULATION Note.5	±2.5%	±2.5%	±2.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	
	SET UP, 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.)	79.5%	81.5%	83.5%	85%	86%	88%	88.5%	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 3.3-36V Hiccup mode, recovers automatically after fault condition is removed. 48V Shut down and latch off o/p voltage, re-power on to recover.								
	OVER VOLTAGE	3.8 ~ 4.45V	4.6 ~ 5.4V	5.75 ~ 6.75V	13.8 ~ 16.2V	18 ~ 21V	28.8 ~ 33.6V	41.4 ~ 46.8V	55.2 ~ 64.8V	
	OVER TEMPERATURE	3.3-36V Hiccup mode, recovers automatically after fault condition is removed. 48V Shut down and latch off o/p voltage, re-power on to recover.								
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	IEC/UL 62368-1, BSMI CNS14336-1, EAC TP TC 004, KC K60950-1(for LRS-350-12/24 only), BIS IS13252(Part1): 2010/IEC 60950-1: 2005, AS/NZS62368.1 approved; Design refer to BS EN/EN62368-1								
	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, KC KN32, KN35(for LRS-350-12/24 only)								
	EMC IMMUNITY	Compliance to BS EN/EN55035, EAC TP TC 020, KC KN32, KN35(for LRS-350-12/24 only)								
OTHERS	MTBF	2099.9K hrs min. Telcordia SR-332 (Bellcore); 328.6Khrs min. MIL-HDBK-217F (25°C)								
	DIMENSION	215*115*30mm (L*W*H)								
	PACKING	0.76Kg; 15pcs/12.4Kg/0.78CUFT								
NOTE	<ol style="list-style-type: none"> All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor. Tolerance : includes set up tolerance, line regulation and load regulation. Line regulation is measured from low line to high line at rated load. Load regulation is measured from 0% to 100% rated load. 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. 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). The ambient temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m(6500ft). This power supply does not meet the harmonic current requirements outlined by BS EN/EN61000-3-2. Please do not use this power supply under the following conditions: <ol style="list-style-type: none"> the end-devices is used within the European Union, and the end-devices is connected to public mains supply with 220Vac or greater rated nominal voltage, and the power supply is: <ul style="list-style-type: none"> installed in end-devices with average or continuous input power greater than 75W, or belong to part of a lighting system Exception: Power supplies used within the following end-devices do not need to fulfill BS EN/EN61000-3-2 <ol style="list-style-type: none"> professional equipment with a total rated input power greater than 1000W; symmetrically controlled heating elements with a rated power less than or equal to 200W ※ Product Liability Disclaimer : For detailed information, please refer to https://www.mearwell.com/serviceDisclaimer.aspx									



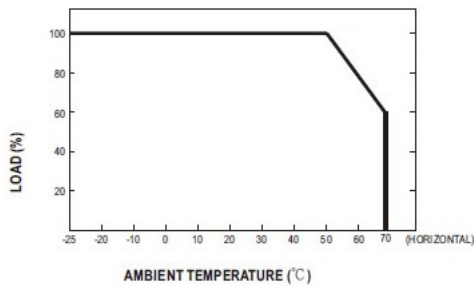
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Block Diagram



Derating Curve



Static Characteristics

