

LRS-350-12







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
- Built-in cooling Fan ON-OFF control
- 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
- 3 years warranty

Description

LRS-350-12 is a 350W single-output enclosed type power supply with 30mm of low profile design. Adopting the input of 115VAC or 230VAC (select by switch).

In addition to the high efficiency up to 89%, with the built-in long life fan LRS-350-12 can work under -25~ +70°C with full load. Delivering an extremely low no load power consumption (less than 0.75W), it allows the end system to easily meet the worldwide energy requirement. LRS-350-12 has the complete protectionfunctions and 5G anti-vibration capability; it is complied with the international safety regulations such asIEC/UL 62368-1. LRS-350-12 as a high price-to-performance power supply solution for various industrial applications.





Applications

- Industrial automation machinery
- Industrial control system
- Mechanical and electrical equipment
- Electronic instruments, equipments or apparatus

GTIN CODE

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MODEL		LKS-350-12	
OUTPUT	DC VOLTAGE	12V	
	RATED CURRENT	29A	
	CURRENT RANGE	0 ~29A	
	RATED POWER	348W	
	RIPPLE & NOISE (max.) Note.2	150mVp-p	
	VOLTAGE ADJ. RANGE	10.2 ~ 13.8V	
	VOLTAGE TOLERANCE Note.3	±1.5%	
	LINE REGULATION Note.4	±0.5%	
	LOAD REGULATION Note.5	±1.0%	
	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)	
	FEEICIENCY (Typ.)	85%	
	LEAKAGE CURRENT	<2ma / 240VAC	
	OVER LOAD	110 ~ 140% rated output power	
		3.3-36V Hiccup mode, recovers automatically after fault condition is	
DROTECTION			
PROTECTION	OVER VOLTAGE		
		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 TEMPERATURE	removed. 48V Shut down and latch off o/p voltage, re-power on to recover.	
FUNCTION	(Tvp.)	RTH3≧50°C FAN ON, ≦40°C FAN OFF	
ENVIRONMENT		-25 ~ +70°C (Refer to "Derating Curve")	
		$20 \sim 90\%$ RH non-condensing	
		-40 - ±25°C 10 - 05% PH	
	TEMP COFFEICIENT		
		$\pm 0.03\%$ °C (0 ~ 50°C)	
	OVER VOLTAGE CATEGORY	$10 \sim 300$ mz, 56 Tollini. Tcycle, 601 min. each along X, 1, 2 axes	
SAFETY			
	SAFETY STANDARDS	1042 1 DIS 1642362 (Dorth) 2010/18C 20050 1: 2005 (NOTE 11) DS EN/EN/EN/EN/EN/EN/EN/EN/EN/EN/EN/EN/EN/E	
		4943.1, DIS ISTS252(Pall1). 2010/IEC 60930-1. 2003(NOTE 11),DS EN/EN61336-1, DS	
		VP-0/P, VP-FG, O/P-FG, O/OM ONINS/S00VDC / 25 G/ 70% RH	
	EMC EMISSION	Compliance to BSMI CNS15936, EAC TP TC 020,KC KN32,KN35(tor LRS-350-12/24 only)	
		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 (Belicore); 328.6Khrs min. MIL-HDBK-217F (25°C)	
	DIMENSION	215*115*30mm (L*W*H)	
	PACKING	0.76Kg; 15pcs/12.4Kg/0.67CUFT	
NOTE	1. All parameters NOT specially me	entioned are measured at 230VAC input, rated load and 25°C of ambient temperature.	
	3. Tolerance : includes set up tolera	ance, line regulation and load regulation.	
	4. Line regulation is measured from	n low line to high line at 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 		
	7. The 150% peak load capability i	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(115)/AC(230)/AC)	
	 a. The ambient temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m(6500ft). b. 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: a) the end-devices is used within the European Union, and b) the end-devices is connected to public mains supply with 220Vac or greater rated nominal voltage, and c) the power supply is: installed in end-devices with average or continuous input power greater than 75W, or 		
	- belong to part of a lighting system		
	Power supplies used within the following end-devices do not need to fulfill BS EN/EN61000-3-2		
	a) professional equipment with a total rated input power greater than 1000W;		
	10. RCM is on voluntary basis and meets relevant IEC or AS/NZS standards complying with AS/NZS 4417.1.		
	11. Some model may not have the	ne BIS logo, please contact your MEAN WELL sales for more information.	
	X Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx		



350W Single Output Switching Power Supply

LRS-350-12





LRS-350-12

Mechanical Specification

Case No.207A Unit:mm

