





























■ Features

- ·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</p>
- ·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

■ Applications

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

■ GTIN CODE

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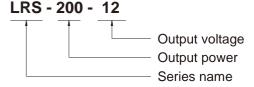
Description

LRS-200-12 is a 200W 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 90%, the design of metallic mesh case enhances the heat dissipation of LRS-200-12 that the whole series operates from -25°C through 70°C under air convection without a fan. 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-200-12 has the complete protection functions and 5G anti- vibration capability; it is complied with the international safety regulations such as IEC/UL 62368-1.

LRS-200-12 serves as a high price-to-performance power supply solution for various industrial applications.

■ Model Encoding





SPECIFIC	ATION			
MODEL		LRS-200-12		
ОИТРИТ	DC VOLTAGE	12V		
	RATED CURRENT	17A		
	CURRENT RANGE	0 ~ 17A		
	RATED POWER	204W		
	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)		
	FREQUENCY RANGE	47 ~ 63Hz		
	EFFICIENCY (Typ.)	87.5%		
	AC CURRENT (Typ.)	4A/115VAC 2.2A/230VAC		
	INRUSH CURRENT (Typ.)	COLD STAR 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.		
		13.8 ~ 16.2V		
	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	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.		
ENVIRONMENT	WORKING TEMP.	-25 ~ +70°C (Refer to "Derating Curve")		
	WORKING HUMIDITY	20 ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)		
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes		
	OVER VOLTAGE CATEGORY	III: According to EN61558, EN50178, EN60664-1, EN62477-1; altitude up to 2000 meters		
SAFETY	SAFETY STANDARDS	IEC/UL 62368-1, BSMI CNS15598-1,EAC TP TC 004, KC K60950-1(for LRS-200-12/24 only),GB 4943.1, BIS IS13252(Part1):2010/IEC 60950-1: 2005(NOTE 11) ,BS EN/EN61558-1, BS EN61558-2-16 Designed by AS/NZS 61558.1/2.16, AS/NZS 62368.1,BS EN/EN62368-1		
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC 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 CNS15936, EAC TP TC 020,KC KN32,KN35(for LRS-200-12/24 only)		
	EMC IMMUNITY	Compliance to BS EN/EN55035, EAC TP TC 020,KC KN32,KN35(for LRS-200-12/24 only)		
OTHERS	MTBF	2346.6K hrs min. Telcordia SR-332 (Bellcore); 279.4Khrs min. MIL-HDBK-217F (25℃)		
	DIMENSION	215*115*30mm (L*W*H)		
	PACKING	0.66Kg; 15pcs/10.9Kg/0.67CUFT		
NOTE	1. All parameters NOT expecially mentioned are mose used at 220\/AC input, rated load and 25°C of ambient temperature			

NOTE

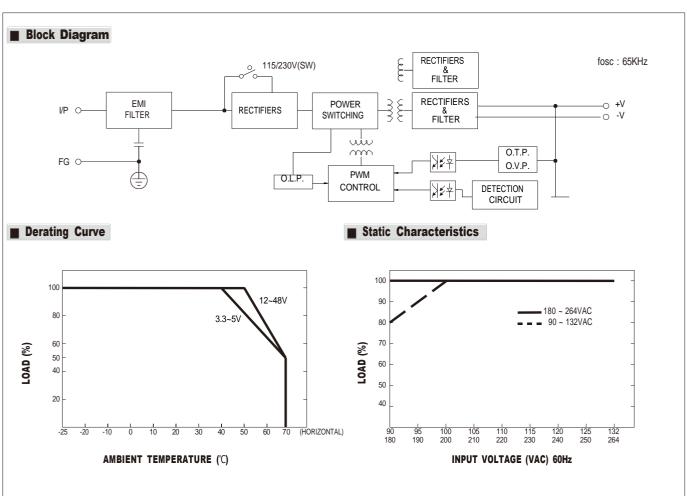
- 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
- 3. Tolerance: includes set up tolerance, line 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-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).
- 8. The ambient temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m(6500ft).
- 9. 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

Exception:

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;
- b) symmetrically controlled heating elements with a rated power less than or equal to 200W 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 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



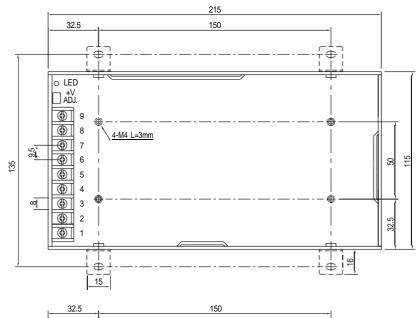


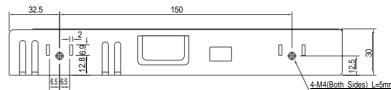


■ Mechanical Specification

Case No. 207

Unit:mm





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 ±		

■ Installation Manual

Get more info to : https://www.led-card.com/manufacturer/meanwell/