



■ Features

- Rango de entrada de CA seleccionable por interruptor
- Resiste una entrada de sobretensión de 300 VCA durante 5 segundos
- Protecciones: Cortocircuito / Sobrecarga / Sobre voltaje / Sobre temperatura
- Refrigeración por aire forzado mediante un ventilador de CC incorporado
- Control de encendido y apagado del ventilador de refrigeración integrado
- 1U de perfil bajo
- Soportar prueba de vibración 5G
- Indicador LED de encendido
- Consumo de energía sin carga <0.75W
- 100% prueba de quemado a plena carga
- Alta temperatura de funcionamiento hasta 70 °C
- Altitud de operación hasta 5000 metros (Nota.8)
- Alta eficiencia, larga vida y alta confiabilidad
- 3 años de garantía

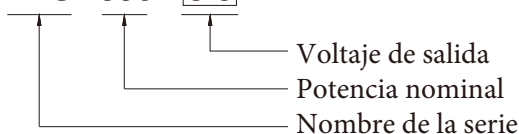
■ Description

La serie LRS-350 es una fuente de alimentación de tipo cerrado de salida única de 350 W con 30 mm de diseño de perfil bajo. Adoptando la entrada de 115 V CA o 230 V CA (seleccione por interruptor), toda la serie proporciona una línea de voltaje de salida de 3,3 V, 4,2 V, 5 V, 12 V, 15 V, 24 V, 36 V y 48 V

Además de la alta eficiencia de hasta el 89%, con el ventilador de larga duración integrado, el LRS-350 puede funcionar por debajo de -25+70°C con carga completa. Con un consumo de energía sin carga extremadamente bajo (menos de 0,75 W), permite que el sistema final satisfaga fácilmente los requisitos de energía en todo el mundo. LRS-350 tiene funciones de protección completas y capacidad antivibración 5G; cumple con las normas de seguridad internacionales como IEC/UL 62368-1. La serie LRS-350 sirve como una solución de fuente de alimentación de alto rendimiento para diversas aplicaciones industriales

■ Model Encoding

LRS - 350 - 3.3



■ Applications

- Maquinaria de automatización industrial
- Sistema de control industrial
- Equipo mecánico y eléctrico
- Instrumentos, equipos o aparatos electrónicos

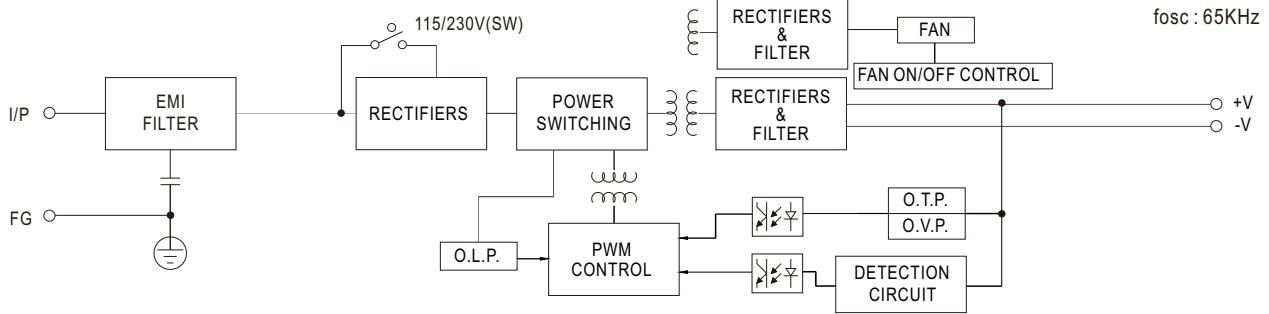
■ GTIN CODE

MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

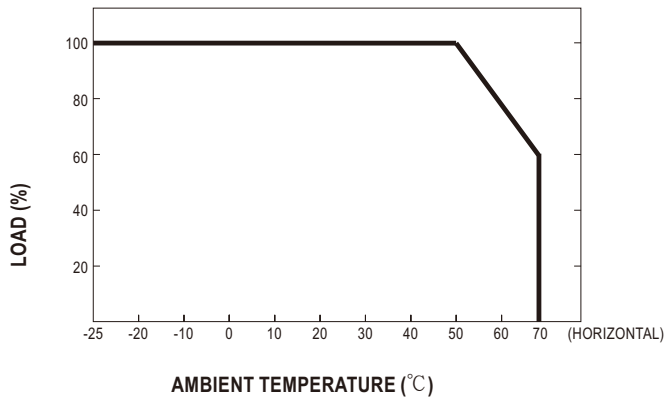
SPECIFICATION

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%	
	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.)	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	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. Line regulation is measured from low line to high line at rated load.</p> <p>5. Load regulation is measured from 0% to 100% rated load.</p> <p>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.</p> <p>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).</p> <p>8. The ambient temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m(6500ft).</p> <p>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:</p> <p>a) the end-devices is used within the European Union, and</p> <p>b) the end-devices is connected to public mains supply with 220Vac or greater rated nominal voltage, and</p> <p>c) the power supply is:</p> <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 <p>Exception:</p> <p>Power supplies used within the following end-devices do not need to fulfill BS EN/EN61000-3-2</p> <p>a) professional equipment with a total rated input power greater than 1000W;</p> <p>b) symmetrically controlled heating elements with a rated power less than or equal to 200W</p> <p>※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx</p>									

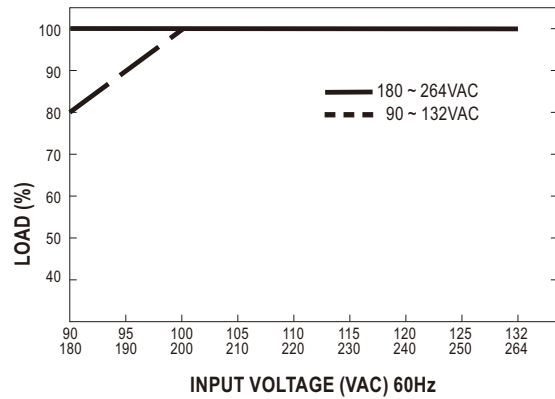
■ Block Diagram



■ Derating Curve



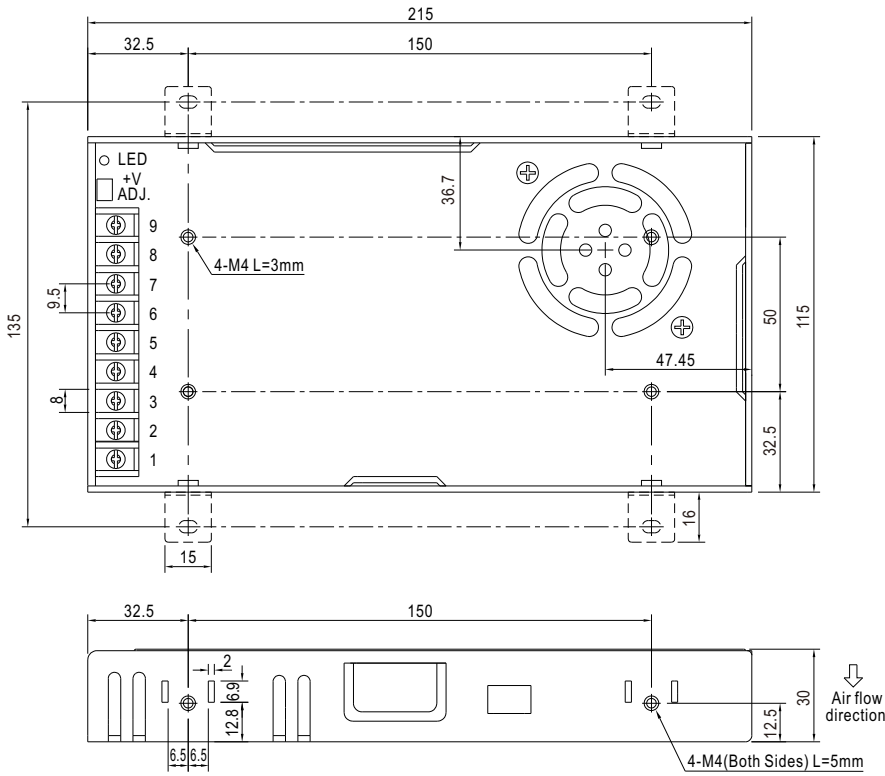
■ Static Characteristics



■ Mechanical Specification

Case No.207A

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 \perp		

■ Installation Manual

Please refer to : <http://www.meanwell.com/manual.html>