

Product Specification

LRS-350

Product Category: 350W single output switching power supply

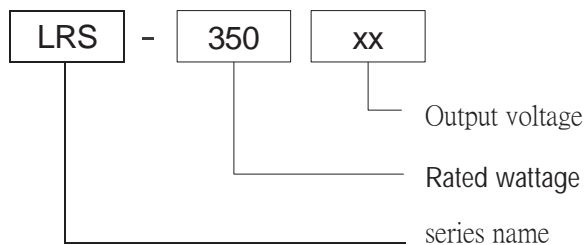
Version No.: ZTAO3.0

Release date: May 1st, 2025

Product Overview

The AC input range is switched by a switch, no-load power consumption <2.7W, small size 1U low profile, protection types: short circuit/overload/overcurrent protection, fan cooling, power start LED indicator, 100% full load burn-in test, 3-year warranty.

Model Encoding



Product Features

- The AC input range is switched by a switch
- no-load power consumption <2.7W
- Small size, 1U low profile
- Protection type: short circuit/overload/overvoltage protection,
- fan cooling
- power start LED indicatorlight
- 100% full load burn-in test
- 3-year warranty

Application Areas

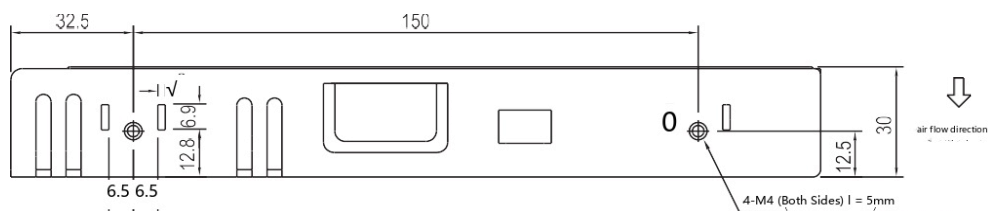
Industrial control, mechanical and electrical, electronic instruments, industrial automation, electronic equipment, semiconductor equipment, etc.
(excluding information technology equipment)




Electrical Specifications

model		LRS-350-12	LRS-350-15	LRS-350-24	LRS-350-36	LRS-350-48
Output	DC output voltage	12V	15V	24V	36V	48V
	Rated current	29A	23.2A	14.6A	9.7A	7.3A
	Current range	0~29A	0~23.2A	0~14.6A	0~9.7A	0~7.3A
	Rated Power	348W	348W	350.4W	349.2W	350.4W
	Ripple & Noise(Max)	120mVp-p	120mVp-p	150mVp-p	200mVp-p	200mVp-p
	Voltage adjustment range	10.2~13.8V	13.5~16.5V	21.6~26.4V	32.4~39.6V	43.2~52.8V
	Voltage accuracy	±1%	±1%	±1%	±1%	±1%
	Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Load Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	Startup & Rise Time	1500ms,30ms/230VAC 1500ms,30ms/115VAC (full load)				
	Keep Time	20mS/230VAC 15mS/115VAC (at full load)				
Input	Input voltage	95~132 VAC/185~264VAC selectable by switch 260~370VDC(switc on 230VAC)				
	Input frequency	50~60HZ				
	efficiency	86%	86%	88%	88%	89%
	Input Current	6.8A/115VAC 3.4A/230VAC				
	Leakage Current	< 1mA/240VAC				
Protection	Overload protection	110~150% of rated power Protection mode: hiccup protection, automatic recovery after abnormal conditions are removed				
	Overvoltage protection	13.8~16.2V	18.7~21.7V	28.8~33.6V	41.4~48.6V	55.2~64.8V
		Protection mode: turn off the output voltage and restart to recover				
Function	Fan on/off control (Typ.)	Fan direct rotation				
Environmental	Operating temperature	-20℃ ~+65℃				
	Operating humidity	20~90%RH no condensation				
	Storage temperature/humidity	-40~+80℃ 10~95%RH, no condensation				
Safety	Vibration resistance	10~500HZ,5G 10 minutes/cycle,X,Y,Z 60 minutes each				
	Pressure resistance	Input to output: 1.5KVAC; Input to ground: 1.5KVAC; Output to ground: 500VAC				
other	Insulation resistance	Input to output, input to ground, output to ground: 100 Ohms/500VDC/25℃/70%RH				
	Product size	215*115*30mm (L*W*H)				
	Package	0.6kg/pcs				
Remark		<ol style="list-style-type: none"> 1. All parameters, unless otherwise specified, are measured at 230VAC input voltage, rated load and 25℃. 2. The ripple and noise voltages are measured with a 20MHz bandwidth oscilloscope with 0.1μ and 47μ capacitors added to the ends of 12-inch twisted pair cables. The measurements are performed at a 20MHZ bandwidth. 3. Accuracy: includes setting error, line regulation and load regulation. 4. Linear regulation measurement method: Test from low voltage to high voltage under rated load 5. Load Regulation Measurement Method: From 0% to 100% rated load 6. The startup time is measured under cold start condition. Rapid and frequent power on and off may increase the startup time. 7. When the operating altitude is higher than 2000 meters (6500ft): the operating environment needs to be lowered by 5℃/1000 meters 				

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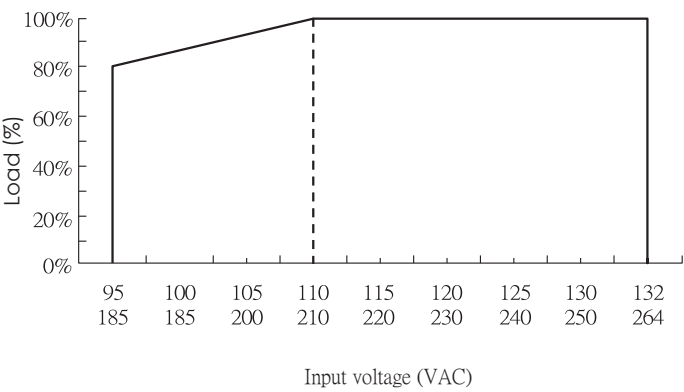
Pin	Assignment	Pin	Assignment
1	AC/L	4~6	DC OUTPUT-V
2	AC/N	7~9	DC OUTPUT+V
3	FG \perp		

Pinout	Function	
L	AC LINE	Screw:M4*9,5 Torque: 22Kg.f.cm (2.. 2N.m)
N	AC NETURAL	
	EARTH	
-Vo	DC output -	Screw:M4*9,5 Torque: 22Kg.f.cm (2.. 2N.m)
-Vo	DC output -	
-Vo	DC output -	
+Vo	DC output +	
+Vo	DC output +	
+Vo	DC output +	

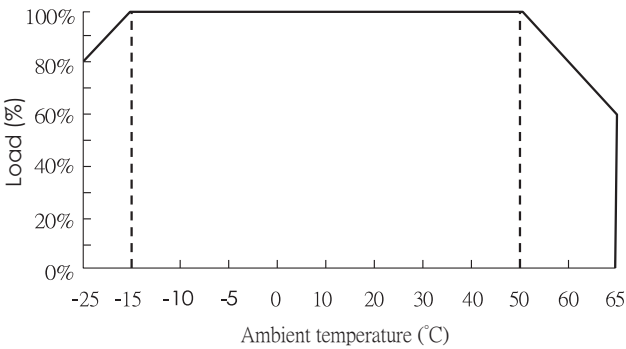
Unit: mm [inch]; tolerance not specified is ± 0.5 [± 0.020]

Characteristic Curves

Input voltage vs output load



Ambient temperature vs output load



Note:

1. If you need to know more detailed test data during application, please contact our technical support to obtain the application notes of the corresponding products.
2. This product is suitable for use in a natural air convection environment. If it is used in a closed environment, please contact our technical support personnel.