

350W Single Output Switching Power Supply**LRS-350 series**

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

LED indicator for power on

100% full load burn-in test

High operating temperature up to 70°C

High efficiency, long life and high reliability

2 years warranty

SPECIFICATION							
OUTPUT							
Model	LRS-350-3.3	LRS-350-5	LRS-350-12	LRS-350-15	LRS-350-24	LRS-350-36	LRS-350-48
DC Voltage	3.3V	5V	12V	15V	24V	36V	48V
Rated Current	60A	60A	29A	23.2A	14.6A	9.7A	7.3A
Current Range	0~60A	0~60A	0~29A	0~23.2A	0~14.6A	0~9.7A	0~7.3A
Rated Power	198W	300W	348W	348W	350.4W	349.2W	350.4W
Ripple & Noise	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p
Voltage Adj. Range	2.97~3.6V	4.5 ~ 5.5V	10~ 13.8V	13.5~18V	21.6~28.8V	32.4~39.6V	43.2~52.8V
Voltage Tolerance	±4.0%	±3.0%	±1.5%	±1.0%	±1.0%	±1.0%	±1.0%
Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load Regulation	±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	16ms/230VAC		12ms/115VAC at full load				
INPUT							
Voltage Range	90 ~ 132VAC / 180 ~ 264VAC selected by switch			254 ~ 370VDC (switch on 230VAC)			
Frequency Range	47 ~ 63Hz						
Efficiency	79.5%	83.5%	85%	86%	88%	88.5%	89%
AC Current	6.8A/115VAC		3.4A/230VAC				
Inrush Current	60A/115VAC		60A/230VAC				
Leakage Current	<2mA / 240VAC						
PROTECTION							
Over Load	110 ~ 140% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed						
Over Voltage	3.8~4.45V	5.75~6.75V	13.8 ~ 16.2V	18~21V	28.8 ~ 33.6V	41.4~46.8V	55.2~ 64.8V
	Protection type: Hiccup mode, recovers automatically after fault condition is removed						

Over temperature	Hiccup mode, recovers automatically after fault condition is removed
ENVIRONMENT	
Working Temp.	-20 ~ +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	UL60950-1 approved
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
OTHERS	
Dimension	215*115*30mm (L*W*H)
Weight	0.76Kg
Packing	20pcs/carton
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. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.
7. 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.

