



## 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							
<b>OUTPUT</b>							
Model	LRS-350-3.3	LRS-350-5	<b>LRS-350-12</b>	LRS-350-15	LRS-350-24	LRS-350-36	LRS-350-48
DC Voltage	3.3V	5V	<b>12V</b>	15V	24V	36V	48V
Rated Current	60A	60A	<b>29A</b>	23.2A	14.6A	9.7A	7.3A
Current Range	0~60A	0~60A	<b>0~29A</b>	0~23.2A	0~14.6A	0~9.7A	0~7.3A
Rated Power	198W	300W	<b>348W</b>	348W	350.4W	349.2W	350.4W
Ripple&Noise	150mVp-p	150mVp-p	<b>150mVp-p</b>	150mVp-p	150mVp-p	200mVp-p	200mVp-p
VoltageAdj. Range	2.97~3.6V	4.5 ~ 5.5V	<b>10~ 13.8V</b>	13.5~18V	21.6~28.8V	32.4~39.6V	43.2~52.8V
Voltage Tolerance	±4.0%	±3.0%	<b>±1.5%</b>	±1.0%	±1.0%	±1.0%	±1.0%
Line Regulation	±0.5%	±0.5%	<b>±0.5%</b>	±0.5%	±0.5%	±0.5%	±0.5%
Load Regulation	±2.5%	±2.0%	<b>±1.0%</b>	±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						
<b>INPUT</b>							
Voltage Range	<b>90 ~ 132VAC / 180 ~ 264VAC selected by switch 254 ~ 370VDC (switch on 230VAC)</b>						
Frequency Range	<b>47 ~ 63Hz</b>						
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						
<b>PROTECTION</b>							
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						

<b>ENVIRONMENT</b>	
Working Temp.	-20 ~ +70°C (Refer to “derating curve”)
Working Humidity	20 ~ 90% RH non-condensing
StorageTemp., 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
<b>SAFETY</b>	
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
<b>OTHERS</b>	
<b>Dimension</b>	<b>215*115*30mm (L*W*H)</b>
<b>Weight</b>	<b>0.76Kg</b>
<b>Packing</b>	<b>15pcs/carton/12.4kg/0.78CUFT</b>
<b>NOTE</b>	
<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12” twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>3. Tolerance: includes set up tolerance, line regulation and load regulation.</li> <li>4. Line regulation is measured from low line to high line at rated load.</li> <li>5. Load regulation is measured from 0% to 100% rated load.</li> <li>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 meetsEMC directives.</li> <li>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.</li> </ol>	