



### Features

- 230VAC / 110VAC Input
- PROTECTION : Short-circuit, Over voltage & Overload
- Compact, Low Cost & High Reliability
- 100% Full Load Burn-in test
- LED Indicator for Power on
- Cooling by free air Convection
- CE Marked on all models
- 1 Year Warranty



### INPUT SPECIFICATION

Voltage Range	100 - 240VAC
Frequency Range	47 - 63Hz
Efficiency	LRS-150-12 : 87% LRS-150-24 : 89% LRS-150-48 : 90%
AC Current (typ.)	2.8A / 115VAC ; 1.6A / 230VAC
Inrush Current (typ.)	60A / 230VAC (for cold start at 25°C)
Leakage Current	<0.75mA / 240VAC

### OUTPUT SPECIFICATION

Rated Current	LRS-150-12 : 12.5A LRS-150-24 : 6.5A LRS-150-48 : 3.3A
Rated Power	150Watts
Voltage ADJ. Range	±10% (with V.ADJ.)
Voltage Tolerance	±1%
Ripple & Noise(max)	LRS-150-12 : 150mVp-p LRS-150-24 : 200mVp-p LRS-150-48 : 200mVp-p
Setup Time	500ms / 230VAC ; 500ms / 115VAC at full load
Rise Time	30ms / 230VAC ; 30ms / 115VAC at full load
Hold Time(Typ.)	40ms / 230VAC ; 35ms / 115VAC at full load

### PROTECTION

Overload	110% to 140% rated load current Protection Type : Hiccup mode, recovers automatically after fault condition is removed
Overvoltage	Protection Type : Shutdown output voltage, re-power on to recover

### ENVIRONMENT

Temperature	Working : -30°C to +70°C (derating is required according to temperature) Storage : -40°C to +85°C (with no icing or condensation)
Humidity	Working : -40% to +85% RH Storage : 10% to 95% RH
Temperature Coefficient	±0.03% / °C (0-50 °C)
Vibration Resistance	10 to 500Hz, 10min/1cycle (2 G) for 60min each in X, Y, Z directions

### STANDARDS

Safety Standards	Meet the ULGB4943, UL60950, EN60950
EMC Standards	Meet the EN55022, EN61000-3-2, EN61000-3-3, EN55024, GB9254 CLASS B Equipment

### SECURITY

Isolation Resistance	I/P and O/P ; I/P and FG ; O/P and FG : 100MΩ at 500VDC, 25°C, 70% RH
Dielectric Strength	Between I/P and O/P : 3.75kVAC for 1 min Between I/P and F.G : 2kVAC for 1 min Between O/P and F.G : 1.25kVAC for 1 min

### OTHER SPECIFICATION

Weight	0.48kg
Dimension (L*W*H)	159*97*30 mm

### ORDER CODE

MODEL	VOLTAGE	CURRENT
LRS-150-12	12VDC	12.5A
LRS-150-24	24VDC	6.5A
LRS-150-48	48VDC	3.3A

### DIMENSIONS

#### LRS-150

#### Terminal Pin No. Assignment

Pin No.	Assignment
1	AC/L
2	AC/N
3	FG ±
4,5	DC OUTPUT -V
6,7	DC OUTPUT +V

#### Dimension

PARAMETER	VALUE
Length	159mm
Breadth	97mm
Height	30mm
Weight	0.48kg

