



Features

- Compact, Low Cost & High Reliability
- 100% Full Load Burn-in Test
- PROTECTION : Shortcircuit, Overvoltage & Overload
- CE Marked on all models
- Cooling by free air convection
- 1 Year Warranty



INPUT SPECIFICATION

Voltage Range	100 - 240VAC
Frequency Range	47 - 63Hz
Efficiency	LRS-60-12 : 86% LRS-60-24 : 88%
AC Current (typ.)	0.95A / 115VAC ; 0.56A / 230VAC
Inrush Current (typ.)	45A / 230VAC (for cold start at 25°C)
Leakage Current	<0.75mA / 240VAC

OUTPUT SPECIFICATION

Rated Current	LRS-60-12 : 5.0A LRS-60-24 : 2.5A
Rated Power	60Watts
Voltage ADJ. Range	±10% (with V.ADJ)
Voltage Tolerance	±1%
Ripple & Noise(max)	LRS-60-12 : 120mVp-p LRS-60-24 : 150mVp-p
Setup Time	500ms / 230VAC at full load
Rise Time	30ms / 230VAC at full load
Hold Time(Typ.)	30ms / 240VAC at full load

PROTECTION

Overload	100% to 110% 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 : 20% to 90% RH Storage : 10% to 95% RH
Vibration Resistance	10 to 500Hz, 10min/1cycle (2 G) for 60min each in X, Y, Z directions

STANDARDS

Safety Standards	Accord with UL1950
EMC Standards	Meet the EN55022 CLASS B Equipment
EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; EN61000-6-2, Heavy Industry level

SECURITY

Isolation Resistance	I/P and O/P ; I/P and FG ; O/P and FG : 100MΩ at 500VDC, 25°C, 70% RH
Withstand Voltage	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	0.2kg
Dimension (L*W*H)	99*82*30 mm

ORDER CODE

MODEL	VOLTAGE	CURRENT
LRS-60-12	12VDC	5.0A
LRS-60-24	24VDC	2.5A

DIMENSIONS

LRS-60

Terminal Pin No. Assignment

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

Dimension

PARAMETER	VALUE
Length	99mm
Breadth	82mm
Height	30mm
Weight	0.23kg

