LRS350

SWITCH MODE POWER SUPPLY

Features

- AC input range selectable by switch
- PROTECTION : Shortcircuit, Overvoltage & 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	90 - 132VAC / 180-264VAC 240 - 370VDC
Frequency Range	47 - 63Hz
Efficiency	LRS-350-12 : 85% LRS-350-24 : 88% LRS-350-48 : 89%
AC Current (typ.)	6.8A / 115VAC ; 3.4A / 230VAC
Inrush Current (typ.)	60A / 230VAC (for cold start at 25°C)
Leakage Current	<2.0mA / 240VAC

OUTPUT SPECIFICATION

Rated Current	LRS-350-12 : 29.0A LRS-350-24 : 14.6A LRS-350-48 : 7.3A
Rated Power	350Watts
Voltage ADJ. Range	±10% (with V.ADJ)
Voltage Tolerance	±1%
Ripple & Noise(max)	LRS-350-12 : 150mVp-p LRS-350-24 : 150mVp-p LRS-350-48 : 200mVp-p
Setup Time	1300ms / 230VAC at full load
Rise Time	50ms / 230VAC at full load
Hold Time(Typ.)	16ms / 230VAC 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
Overtemperature	Shut down o/p 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 (2G) for 60min each in X, Y, Z directions
Temp. Coefficient	±0.03%/°C (0~50°C)

STANDARDS

Safety Standards	Meet the EN60950-1 requirement
EMC Standards	Meet the EN55022 (CISPR22), EN55024
EMC Immunity	Meet the EN61000-3-2,3

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 : 1.5kVAC for 1 min Between I/P and F.G : 1.5kVAC for 1 min Between O/P and F.G : 0.5kVAC for 1 min

OTHER SPECIFICATION

Weight	0.76kg
Dimension (L*W*H)	215*115*30 mm

ORDER CODE

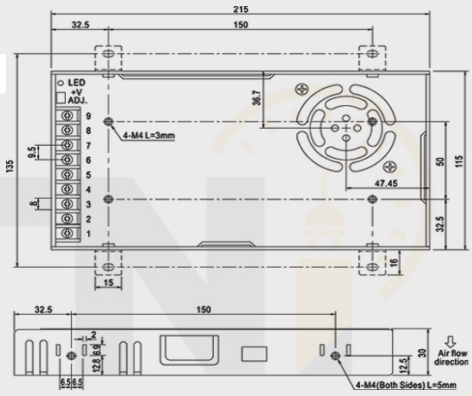
MODEL	VOLTAGE	CURRENT
LRS-350-12	12VDC	29.0A
LRS-350-24	24VDC	14.6A
LRS-350-48	48VDC	7.3A

DIMENSIONS

LRS-350

Terminal Pin No. Assignment

Pin No.	Assignment
1	AC/L
2	AC/N
3	FG⏚
4,5,6	DC OUTPUT -V
7,8,9	DC OUTPUT +V

Dimension

PARAMETER	VALUE
Length	215mm
Breadth	115mm
Height	30mm
Weight	0.78kg