# SWITCH MODE POWER SUPPLY



#### **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 120 - 240VAC Frequency Range 47 - 63Hz LRS-120-12:88%

Efficiency LRS-120-24:90% AC Current (typ.)

1.9A / 115VAC ; 1.2A / 230VAC Inrush Current (typ.) 50A / 230VAC (for cold start at 25°C)

Leakage Current <0.75mA / 240VAC

## **OUTPUT SPECIFICATION**

LRS-120-12: 10.0A Rated Current LRS-120-24: 5.0A

Rated Power 120Watts Voltage ADJ. Range ±10% (with V.ADJ) Voltage Tolerance ±1%

LRS-120-12: 150mVp-p Ripple & Noise(max) LRS-120-24: 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**

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

#### **ENVIRONMENT**

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

## **STANDARDS**

Meet the UL1950 Safety Standards **EMC Standards** Meet the EN55022 CLASS B Equipment

#### **SECURITY**

I/P and O/P; I/P and FG; O/P and FG: Isolation Resistance 100MΩ at 500VDC, 25°C, 70% RH Between I/P and O/P: 1.5kVAC for 1 min Withstand Voltage Between I/P and F.G: 1.5kVAC for 1 min Between O/P and F.G: 0.5kVAC for 1 min

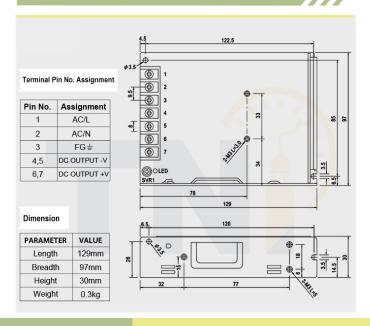
## OTHER SPECIFICATION

Weight Dimension (L\*W\*H) 129\*97\*30 mm

## **ORDER CODE**

MODEL VOLTAGE LRS-120-12 12VDC 10.0A LRS-120-24 24VDC 5.0A

#### **DIMENSIONS**



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