



- 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



Voltage Range	120 - 240VAC
Frequency Range	47 - 63Hz
Efficiency	LRS-120-12 : 88% 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

Rated Current	LRS-120-12 : 10.0A LRS-120-24 : 5.0A
Rated Power	120Watts
Voltage ADJ. Range	±10% (with V.ADJ)
Voltage Tolerance	±1%
Ripple & Noise(max)	LRS-120-12 : 150mVp-p 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

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

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

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

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 : 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

Weight	0.2kg
Dimension (L*W*H)	129*97*30 mm

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

