



Features :

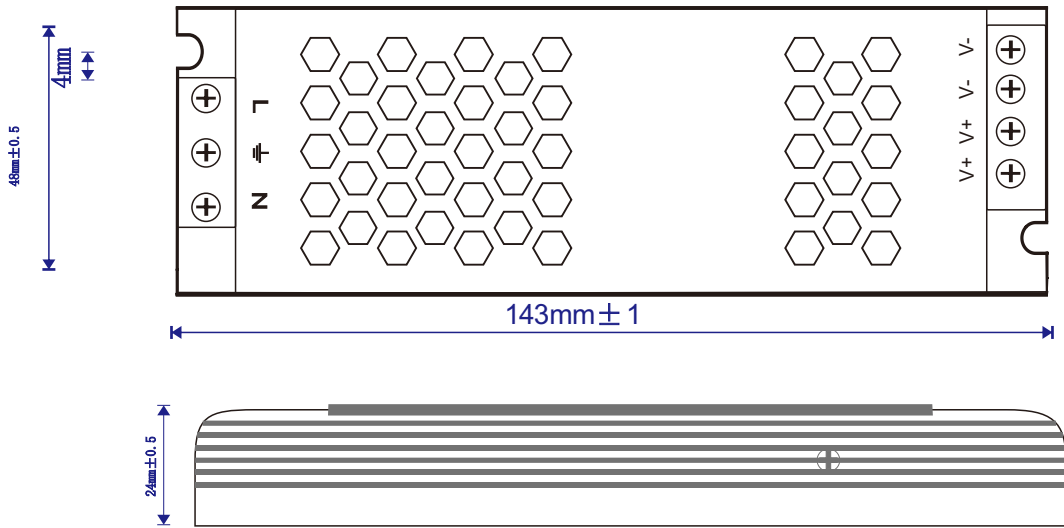
- No load power consumption < 0.7W
- High operating temperature up to 60°C
- Protection: Short circuit/overload/over voltage
- Cooling by free air convection
- High efficiency, long life and high reliability
- 100% full load burn-in test
- 3 years warranty

Specification

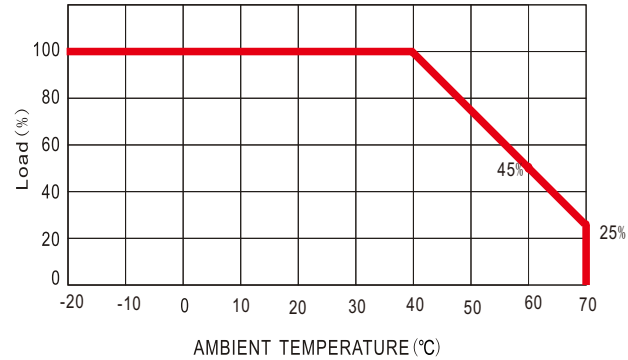
CE RoHS BIS SELV IP20

| | Model | HRL-120-12 | HRL-120-24 |
|---------------|---|--|---------------|
| Output | DC Voltage | 12V | 24V |
| | Voltage Tolerance | ±0.5V | |
| | Rated Current | 0 – 10A | 0 – 5A |
| | Rated Power | 120W | 120W |
| | Ripple & Noise | 150mVp-p | 150mVp-p |
| Input | Voltage Range | 100-240VAC | |
| | Frequency Range | 50 – 60HZ | |
| | Power Factor | PF ≥ 0.5/220VAC (Full loading) | |
| | Full Load Efficiency(Typ.) | 83.8% (230AC) | 88.5% (230AC) |
| | AC Current (Max.) | 0.9A/100AC, 0.62A/230VAC | |
| | Leakage current | < 0.8mA/260VAC | |
| | Inrush current | ≤ 60A | |
| Protection | Short Circuit | Protection type: Hiccup mode, recovers automatically after fault condition is removed. | |
| | Over Load | 110 ~ 140% rated output power | |
| | | Hiccup mode, recovers automatically after fault condition is removed | |
| | VIBRATION | 10-500Hz 2G10min | |
| BURNT-IN TEST | Input voltage: 220V 50Hz rated output current 25°C Burn-in 2h | | |
| Environment | Over temperature | 100°C±10°C shut down o/p voltage, re-power on to recover | |
| | Working TEMP. | -20 ~ + 50°C | |
| | Working Humidity | 20~60%RH, non-condensing | |
| | Storage TEM., Humidity | -30~+ 85%, 10~95%RH non-condensing | |
| | START RISE HOLD TIME | 1500ms, 20ms, 50ms/230VAC at full load | |
| Safety & EMC | Vibration | 10 – 500Hz, 5G 10min./1 cycle, period for 60min. each along X, Y, Z axes. | |
| | Safety standards | CE Mark | |
| | Withstand voltage | I/P – O/P: 1.5KVAC I/P – GND: 1.5KVAC | |
| | EMC Immunity | EN55015:2013; EN61547:2009; EN61000-3-2:2014; EN61000-3-3:2013 | |
| Others | Weight | 0.185Kg | |
| | Dimension | 143x48x24 mm (LxWxH) | |
| | Packing | 120pcs/CTN | |
| Notes | <ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Tolerance: includes set up tolerance, line regulation and load regulation. 3. The power supply is considered as a component that will be operated in combination with final Equipment. Since EMC performance will be affected by the complete installation, the final equipment manufactures must be qualify EMC Directive on the complete installation again. | | |

Mechanical Specification



Derating Curve



Package

| | |
|-----------------|---------------------|
| DIMENSION | 143x48x24mm (LxWxH) |
| CARTON QUANTITY | 120pcs/CTN |
| CARTON SIZE | 42x32x29(cm) |
| WEIGHT | 0.185Kg |