

■ Features

- AC input (198-264VAC)
- Built-in active PFC function
- Compliance to worldwide safety regulations for lighting
- Suitable for dry indoor environment
- Protections: Short circuit / Over voltage / Over temperature/Over load
- Adopt plastic case and internal glue filling
- Compliance to worldwide safety

■ Description

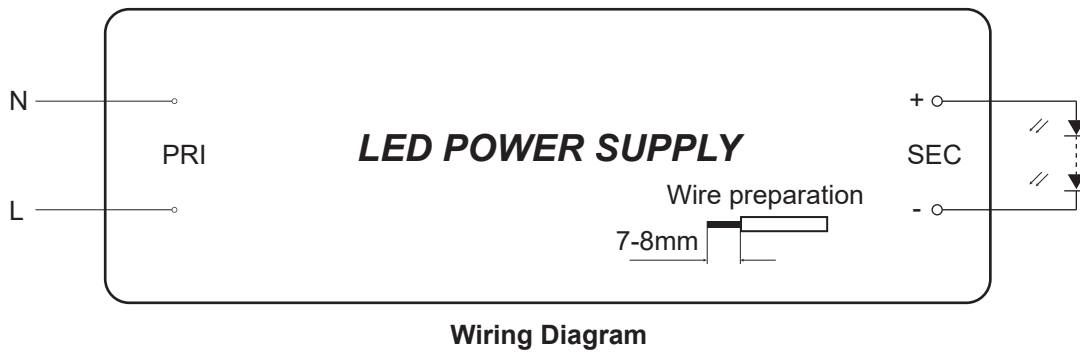
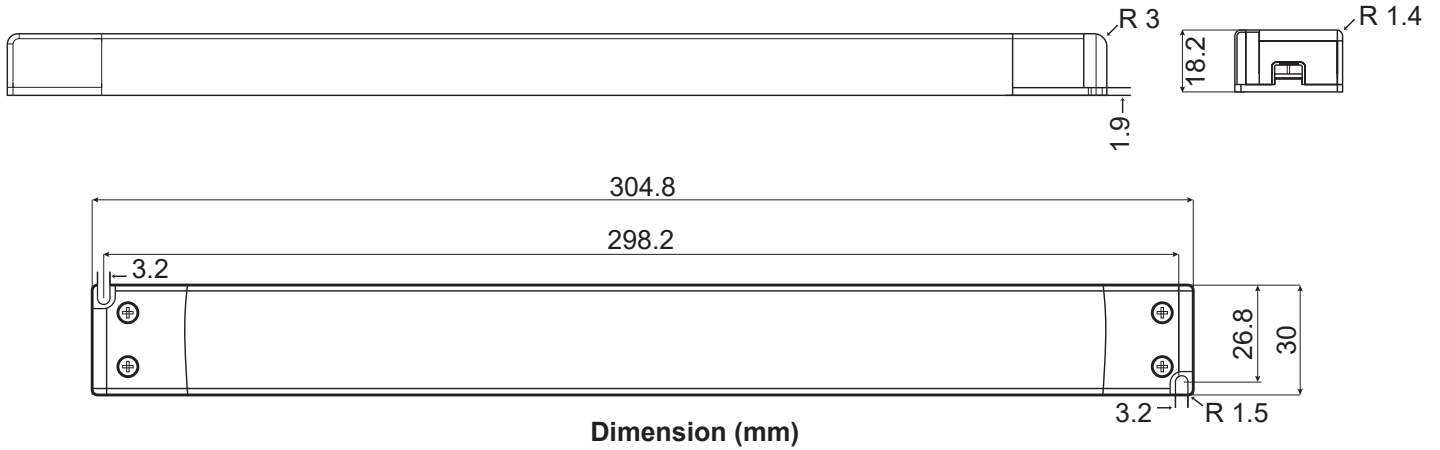
EV SNL100-12/24 is an indoor constant voltage power supply. Its input voltage range is 198-264Vac, with the high efficiency up to 88%, fanless design, working in the temperature range of -20°C to +45°C under free air convection. It has ultra-high power factor, ultra-low total harmonic distortion, low standby power consumption, with all-round protection functions which not only greatly improves the reliability of the product, but also ensures the life cycle of product. This series of products designed for LED lighting, applied to indoor lighting design, has a high cost performance.

■ Specification



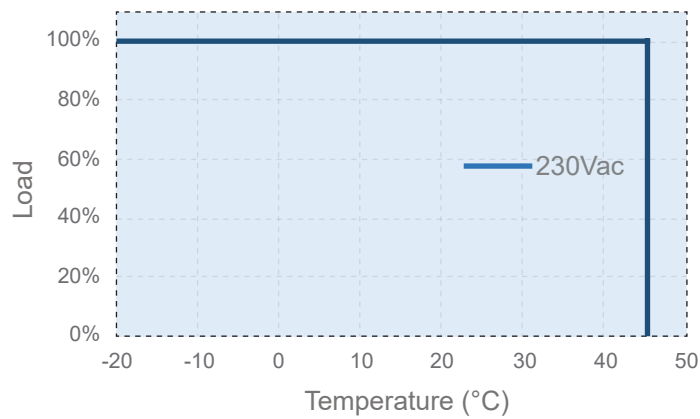
| Model | | EV-SNL-100-12 | EV-SNL-100-24 |
|-------------|-----------------------------|--|---------------|
| Output | DC Voltage | 12V | 24V |
| | Voltage Tolerance | ±5% | |
| | Rated current | 0-8.33A | 0-4.17A |
| | Rated power | 100W | |
| Input | Voltage Range | AC 198V - 264V | |
| | Frequency Range | 50-60HZ | |
| | Power Factor | 0.97@230Vac, full load | |
| | Full Load Efficiency (Typ.) | 93% | 93% |
| | AC Current (Max.) | 0.7A/230V | 0.7A/230V |
| | Leakage current | 0.75mA@240Vac 50HZ | |
| Protection | Short Circuit | Short circuit power≤0.5W | |
| | Over load | 1.1~1.6 times rated load, Overloading restores automatically. | |
| | Over Temperature | 110°C, hiccup mode, auto-recovery after temperature restore | |
| Environment | Working TEMP. | -20 - 45°C | |
| | Working Humidity | 10%RH - 90%RH | |
| | Storage TEM.,Humidity | -40°C-85°C; 5%RH-85%RH | |
| | TEMP.coefficient | ±0.03%/°C (0 ~ 60°C) | |
| | Vibration | NA | |
| Safety&EMC | Safety standards | EN/IEC-61347, EN/IEC-60598 Approved, AS/NZS-61347/60598 Approved | |
| | Withstand voltage | Input-Output: 3750V/5mA/1min | |
| | Isolation resistance | >5M Ohm/500VDC/25°C/70%RH | |
| | EMC EMISSION | Compliance to EN/IEC-55015, EN/IEC-61000, AS CISPR 15:2017 | |
| | EMC immunity | Compliance to EN-61547:2009, EN-61000-4-2,3,4,5,6,11 | |
| Others | Weight | 0.2KG | |
| | Size | 304.8*30*18.2mm (L*W*H) | |
| | Packing | 50PCS | |
| Notes | Warranty 5 years | | |

■ **Mechanical Specification**



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|----|--|
| AC | Connector: H03VVH2F- 2x0.75mm ² |
| DC | Connector: H03VVH2F- 2x1.0mm ² |

■ **Derating Curve**



※ To extend their life, please refer to the Derating Curve and derate according to the temperature.

■ Instruction

- This driver should be installed by qualified and professional person
- Please make sure the transformer is installed with adequate ventilation around it to allow for heat dissipation
- Ensure that wiring is correct before test, in order to avoid light and power supply damage
- If driver does not work normally, don't maintain privately, please contact with Wellforces