

LED Ultra-Thin Power Supply(C&V)

- Universal AC input/full range(175-277VAC)
- Built in active PFC function
- Efficiency up to 93%, super thin and small size.
- Protections:short circuit/over load/over voltage/over temperature
- IP67 design for indoor or outdoor installation
- It can be used in dry, wet and rainy environment
- Cooling by free air, high reliability
- Up to 50000-hour life time
- Suitable for internal lights application for I / II / III.
- Widely used in LED lighting and IT equipment
- Compliance to worldwide safety regulation for led lightings.

175-277VAC

PF>0.96

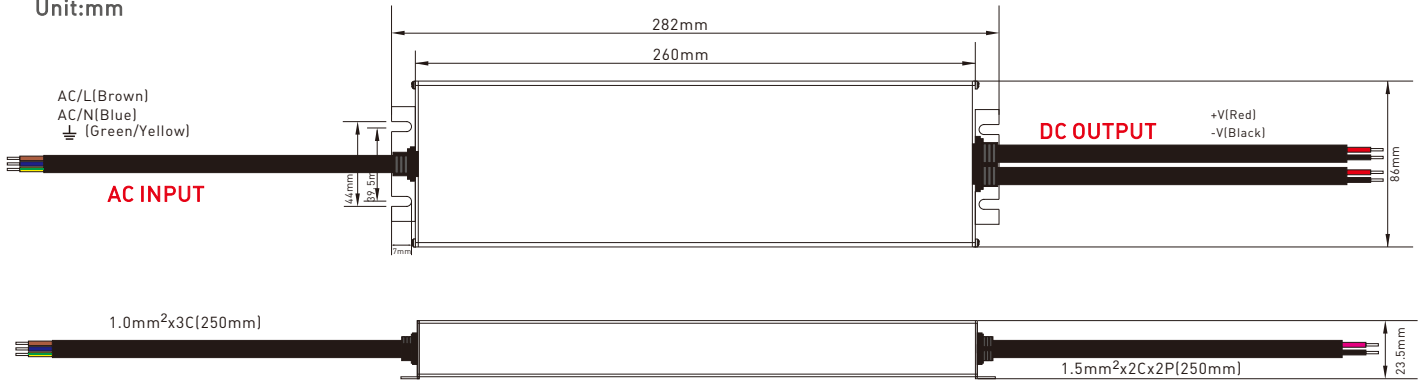
THD≤5%



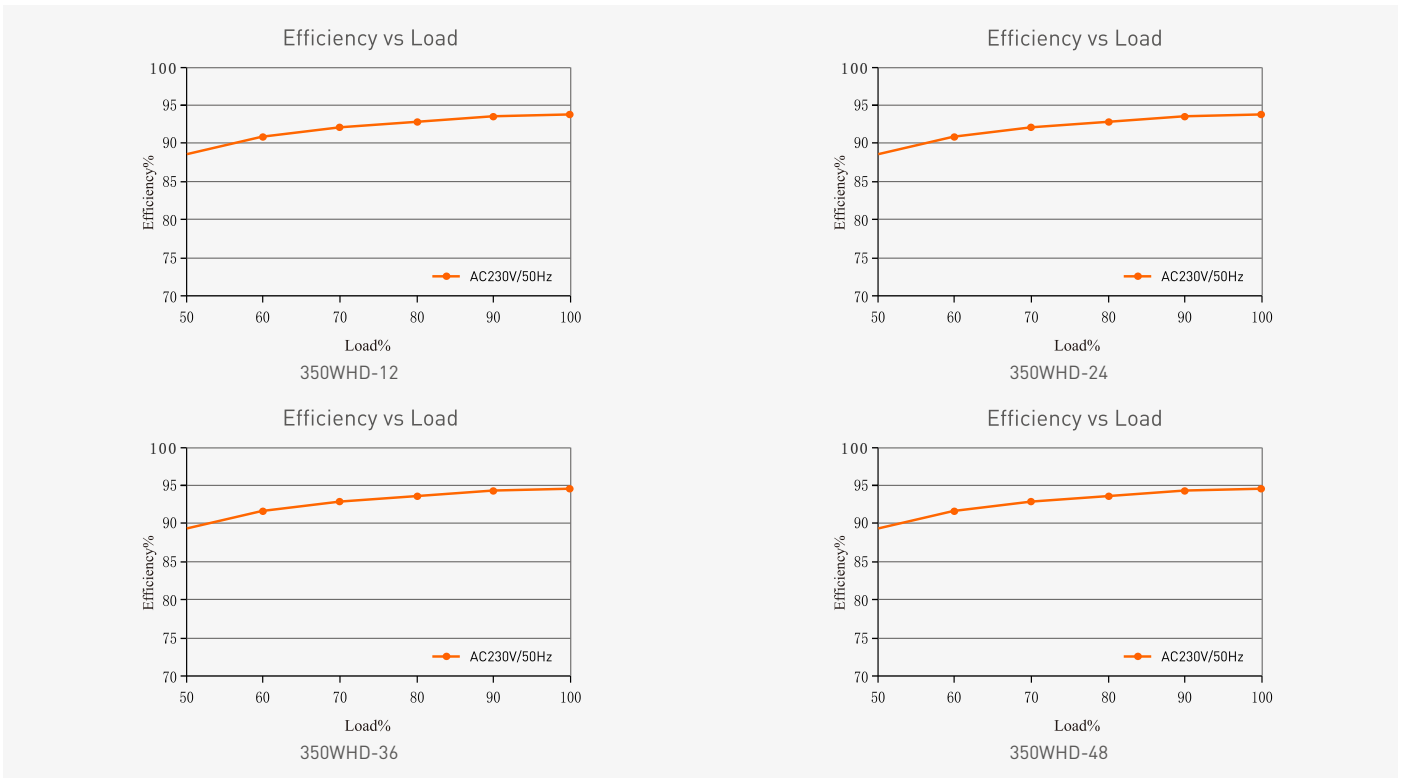
Specification

| Model | 350WHD-12 | 350WHD-24 | 350WHD-36 | 350WHD-48 | |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------|--------------|
| OUTPUT | Output voltage | 12VDC | 24VDC | 36VDC | 48VDC |
| | Output voltage range | 12VDC±0.3VDC | 24VDC±0.6VDC | 36VDC±0.9VDC | 48VDC±1.2VDC |
| | Output current | Max 29A | Max 14.5A | Max 9.8A | Max 7.3A |
| | Output power | Max 350W | | | |
| | Output power range | 0-350W | | | |
| | Ripple & Noise | ≤250mV | ≤250mV | ≤250mV | ≤250mV |
| | Linear Regulation | ±1% | | | |
| | Load Regulation | ±1% | | | |
| | Start-up Time (Typ) | 600ms/230VAC 700ms/175VAC | | | |
| | Rise Time(Typ) | 50ms/230VAC 50ms/175VAC | | | |
| Hold Up Time(Typ) | 14ms/230VAC 13ms/175VAC | | | | |
| INPUT | Input voltage | 175-277Vac | | | |
| | Frequency | 50Hz | | | |
| | Input current | 2.28~1.53A | | | |
| | Power factor | PF>0.96/230Vac, at full load; PF>0.98/175Vac, at full load | | | |
| | No-load power consumption | < 0.5W | | | |
| | THD | ≤12% at 230Vac, at full load; ≤10% at 175Vac, at full load | | | |
| | Efficiency (typ.) | 93% | 93.5% | 94% | 94% |
| | Inrush current(typ.) | 65A/230VAC | | | |
| | Control surge capability | L,N:2KV L,N-PE:4KV | | | |
| | Leakage current | Max. 0.5mA | | | |
| ENVIRONMENT | Working temperature | ta: -30°C ~ 50°C tc: 80°C | | | |
| | Working humidity | 20 ~ 99%RH, condensing(Waterproof) | | | |
| | Storage temp., humidity | -40°C ~ 80°C, 10-95%RH | | | |
| | Vibration | 10-500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes. | | | |
| PROTECTION | Overtemperature | Protection type: Turn off the output voltage, after the temperature drops, re-energize to restore. | | | |
| | Over voltage protection | Output voltage ≥14-18V, turn off the output, after the abnormality is eliminated, re-energize to recover. | | Output voltage ≥29-35V, turn off the output, after the abnormality is eliminated, re-energize to recover | |
| | Over load protection | Shut down the output when current load ≥110%~150%, auto recovers. | | | |
| | Short circuit protection | Protection type: It can be automatically restored after the fault is eliminated. | | | |
| SAFETY & EMC | Withstand voltage | I/P-O/P: 3750Vac | | | |
| | Isolation resistance | I/P- O/P: 100MΩ/500VDC/25°C/70%RH | | | |
| | Safety standards | IEC/EN61347;IEC/EN60950;IP67 | | | |
| | EMC emission | EN55015:2013;FCC Part 15B;EN61547:2009;EN61000-3-2:2014;EN61000-3-3:2013 | | | |
| | EMC immunity | EN61000-4-2,3,4,5,6,8,11 EN61547 | | | |
| Reliability and Quality Control | Impact aging | 100% of the product is fully loaded and impacted for 4 hours under an environment of at least 40°C ± 5°C | | | |
| | Component derating | Under the steady-state conditions of rated input and output, the stress of components will not exceed its maximum nominal value | | | |
| NOTE | 1. All parameters not specifically mentioned are measured at 230VAC input, rated load and 25°C ambient temperature. 2. Ripple and noise test method: connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure under 20MHZ bandwidth. 3. Ensure that the power supply is used under the rated parameters and environment | | | | |

Dimensions Unit:mm

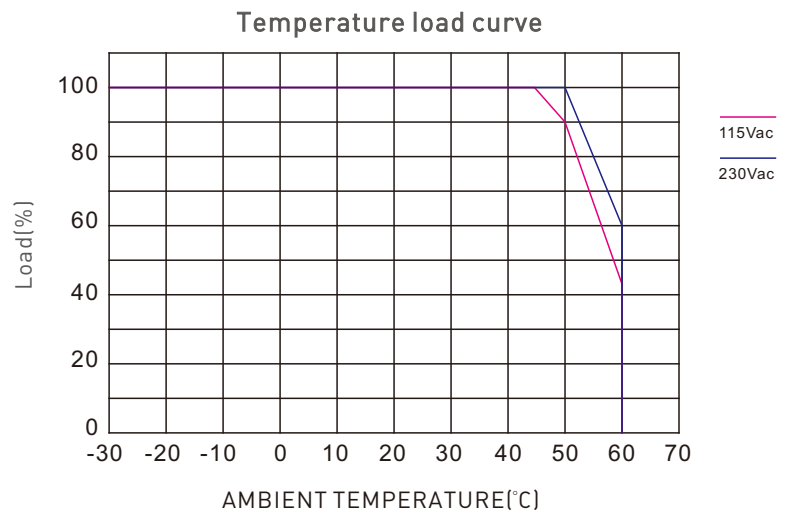


Relationship diagrams



Packaging Information

| | |
|-----------|----------------------|
| DIMENSION | 282x86x23.5mm(LxWxH) |
| PACKING | 334x110x30mm(LxWxH) |
| WEIGHT | 1250g±10g/PCS |



* No further notice if any changes in the manual. Product function depends on the goods. Please feel free to contact your supplier if any question.