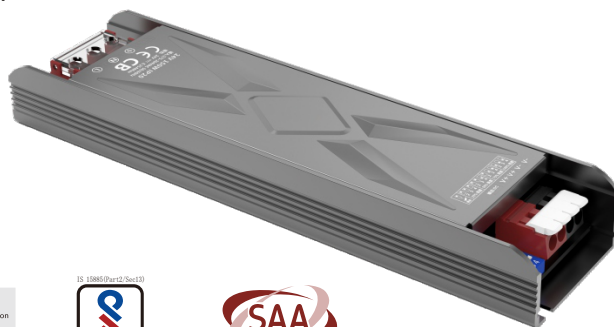


MODEL:OTDR-12V-IP20-150W MODEL:OTDR-24V-IP20-150W

## LED Switching Power Supply

- Protections:short circuit/over load/over voltage/over temperature
- Soothing start, soft light and eye protection , with four gears dimming mode
- Design for indoor installations
- Cooling by free air convection
- 100% full load burn-in test
- 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.

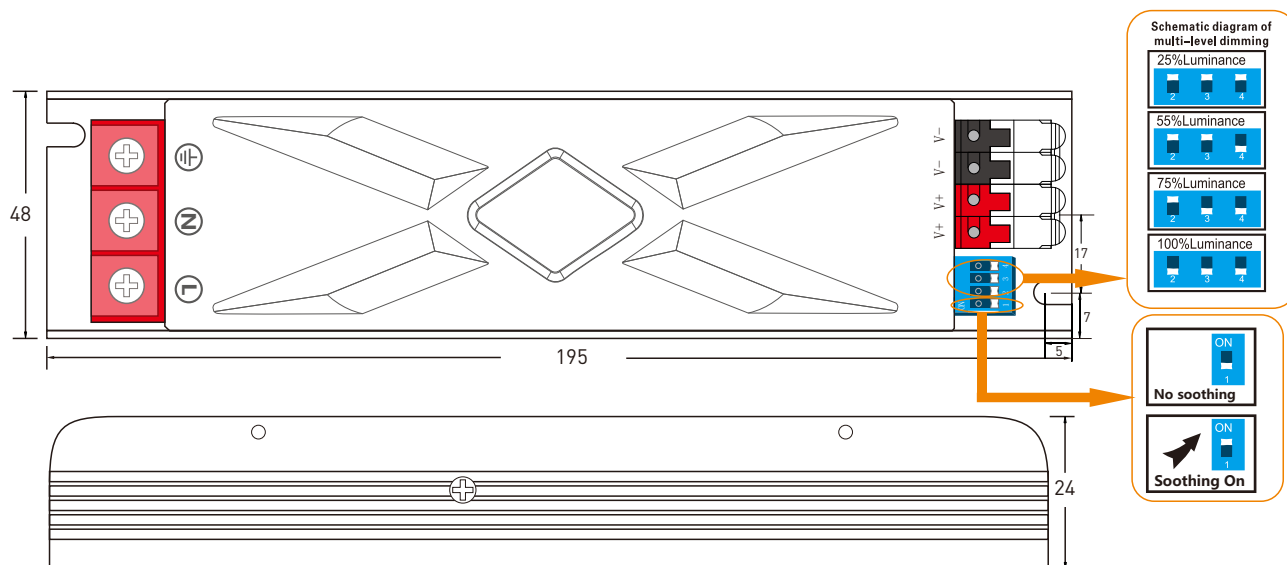


### Specification

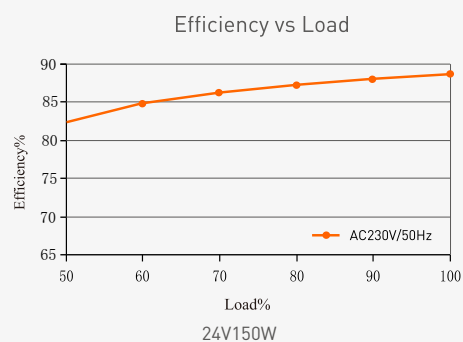
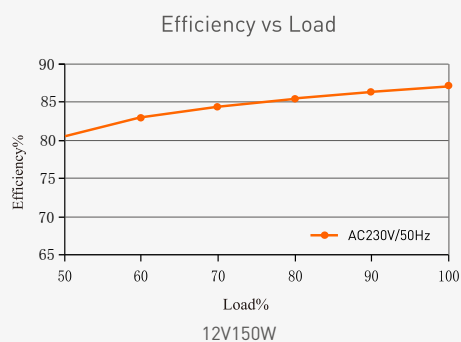
| Model                           |                           | 12V150W                                                                                                                                                                                                                                                                                                                                          | 24V150W      |
|---------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| OUTPUT                          | Output voltage            | 12VDC                                                                                                                                                                                                                                                                                                                                            | 24VDC        |
|                                 | Output voltage range      | 12VDC±0.5VDC                                                                                                                                                                                                                                                                                                                                     | 24VDC±0.5VDC |
|                                 | Output current            | Max 12.5A                                                                                                                                                                                                                                                                                                                                        | Max 6.25A    |
|                                 | Output power              | Max 150W                                                                                                                                                                                                                                                                                                                                         |              |
|                                 | Output power range        | 0~150W                                                                                                                                                                                                                                                                                                                                           |              |
|                                 | Ripple & Noise            | ≤150mV                                                                                                                                                                                                                                                                                                                                           | ≤200mV       |
|                                 | Linear Regulation         | ±1%                                                                                                                                                                                                                                                                                                                                              |              |
|                                 | Load Regulation           | ±1%                                                                                                                                                                                                                                                                                                                                              |              |
|                                 | Start-up Time (Typ)       | 500ms/230VAC 800ms/115VAC                                                                                                                                                                                                                                                                                                                        |              |
|                                 | Hold Up Time(Typ)         | 12ms/230VAC 10ms/115VAC                                                                                                                                                                                                                                                                                                                          |              |
| INPUT                           | Input voltage             | 175-264Vac or 100-130Vac                                                                                                                                                                                                                                                                                                                         |              |
|                                 | Frequency                 | 50/60Hz                                                                                                                                                                                                                                                                                                                                          |              |
|                                 | Input current             | 1.32A/230Vac or 2.6A/115Vac                                                                                                                                                                                                                                                                                                                      |              |
|                                 | Powerfactor               | PF>0.55                                                                                                                                                                                                                                                                                                                                          |              |
|                                 | No-load power consumption | <0.5W                                                                                                                                                                                                                                                                                                                                            |              |
|                                 | Efficiency (typ.)         | 87%                                                                                                                                                                                                                                                                                                                                              | 88%          |
|                                 | Inrushcurrent(typ.)       | Cold start 60A at 230Vac                                                                                                                                                                                                                                                                                                                         |              |
|                                 | Control surge capability  | L,N:1KV L,N-PE:2KV                                                                                                                                                                                                                                                                                                                               |              |
|                                 | Leakage current           | Max. 0.5mA                                                                                                                                                                                                                                                                                                                                       |              |
| ENVIRONMENT                     | Working temperature       | ta: -30°C~ 50°C tc: 80°C                                                                                                                                                                                                                                                                                                                         |              |
|                                 | Working humidity          | 20 ~ 99%RH, non-condensing                                                                                                                                                                                                                                                                                                                       |              |
|                                 | Storage temp., humidity   | -40°C ~ 80°C, 10~95%RH                                                                                                                                                                                                                                                                                                                           |              |
| PROTECTION                      | Overtemperature           | Protection type: Turn off the output voltage, after the temperature drops, re-energize to restore.                                                                                                                                                                                                                                               |              |
|                                 | 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:3000Vac                                                                                                                                                                                                                                                                                                                                  |              |
|                                 | Isolation resistance      | I/P-O/P: 100MΩ/500VDC/25°C/70%RH                                                                                                                                                                                                                                                                                                                 |              |
|                                 | Safety standards          | IEC/EN61347;IEC/EN60950;IP20                                                                                                                                                                                                                                                                                                                     |              |
|                                 | EMC Test Standards        | EN55015:2013;EN61547:2009;<br>EN61000-3-2:2014; EN61000-3-3:2013                                                                                                                                                                                                                                                                                 |              |
| 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.<br>2. Ripple and noise test method: connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure under 20MHZ bandwidth.<br>3. Ensure that the power supply is used under the rated parameters and environment. |              |

## Dimensions

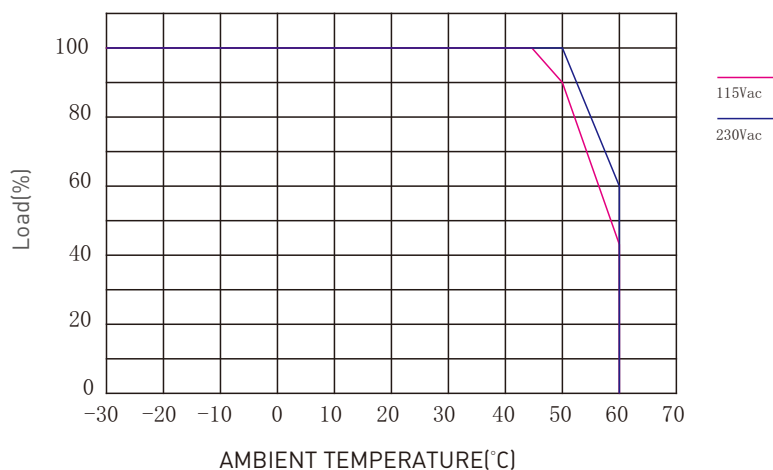
Unit:mm



## Relationship diagrams



## Temperature load curve



## Packaging Information

|                 |                      |
|-----------------|----------------------|
| DIMENSION       | 195x48x24mm(LxWxH)   |
| PACKING         | 198x51x25mm(LxWxH)   |
| CARTON QUANTITY | 60PCS                |
| CARTON SIZE     | 415x210x225mm(LxWxH) |
| WEIGHT          | 300g±10g/PCS         |