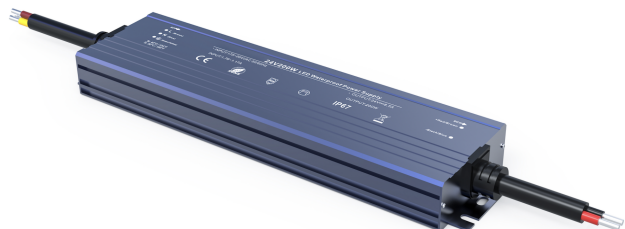


## 250W SERIES

### 250W Constant Voltage Waterproof LED Power Supply



#### •Properties:

- IP67 design for indoor or outdoor installation
- Over load / Over temp. / Short circuit / Over voltage protection, recover automatically.
- Cooling by free air convection.
- 100% full load burn-in test.
- Suitable for internal lights application for I / II / III.
- Up to 50000-hour life time.
- Widely used in LED lighting, IT equipment ect..

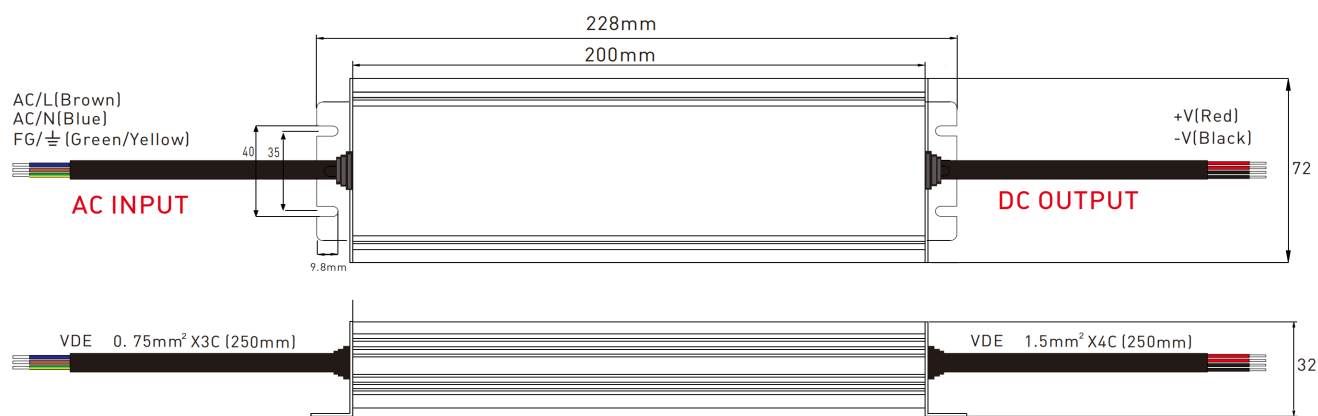
#### •Specifications:

IP67  CE SELV   

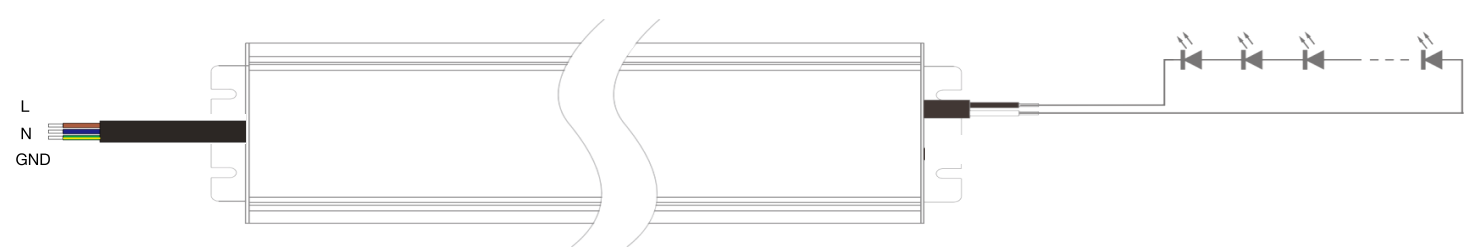
| Product No. |                                | GL-CVP12-250W-WP                                                                                                                                                                                                   | GL-CVP24-250W-WP |  |  |  |
|-------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|--|--|
| Output      | Output voltage                 | 12V                                                                                                                                                                                                                | 24V              |  |  |  |
|             | Output current                 | Max 21.0A                                                                                                                                                                                                          | Max 10.5A        |  |  |  |
|             | Range of current               | 0-21.0A                                                                                                                                                                                                            | 0-10.5A          |  |  |  |
|             | Output Power                   | 250W Max                                                                                                                                                                                                           | 250W Max         |  |  |  |
|             | Ripple&Noise max. <sup>2</sup> | 120mVp-p                                                                                                                                                                                                           | 240mVp-p         |  |  |  |
|             | Voltage adjustment             | 12V±0.5V                                                                                                                                                                                                           | 24V±0.5V         |  |  |  |
|             | Start-up Time (Typ)            | 500ms/230VAC 600ms/115VAC                                                                                                                                                                                          |                  |  |  |  |
|             | Hold Up Time(Typ)              | 190ms/230VAC 190ms/115VAC                                                                                                                                                                                          |                  |  |  |  |
|             | With/without Strobe            | No strobe                                                                                                                                                                                                          |                  |  |  |  |
| Input       | Voltage range                  | 175-264Vac or 100-130Vac                                                                                                                                                                                           |                  |  |  |  |
|             | Frequency range                | 50-60HZ                                                                                                                                                                                                            |                  |  |  |  |
|             | Efficiency (Typ)               | 90%                                                                                                                                                                                                                | 90%              |  |  |  |
|             | AC current (Typ)               | 2.15A/230Vac or 3.73A/115Vac                                                                                                                                                                                       |                  |  |  |  |
|             | Power Factor(Typ)              | PF>0.6 (230V @full load)                                                                                                                                                                                           |                  |  |  |  |
|             | Non-load power consumption     | <3W                                                                                                                                                                                                                |                  |  |  |  |
|             | Inrush current(Typ)            | Cold Start 60A @230VAC                                                                                                                                                                                             |                  |  |  |  |
|             | Control surge capability       | L,N: 2KV, L,N-PE: 4KV                                                                                                                                                                                              |                  |  |  |  |
|             | Leakage current                | Max. 0.5mA                                                                                                                                                                                                         |                  |  |  |  |
| Protection  | Overload                       | Shut down o/p when current load ≥ 110%, the fault can be automatically recovered                                                                                                                                   |                  |  |  |  |
|             | Short circuit                  | 1. When the 1st level short-circuit protection is triggered, the fault can be automatically recovered. 2. When the 2nd level short-circuit protection is triggered, re-power on to recover after fault is removed. |                  |  |  |  |
|             | Over Temperature               | Shut down o/p voltage, and re-power on to recover after fault is removed                                                                                                                                           |                  |  |  |  |
|             | Over Voltage                   | Shut down o/p, and re-power on to recover after fault is removed                                                                                                                                                   |                  |  |  |  |

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <b>Environment</b>           | Working temp.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ta: -30℃ - 50℃   tc: 80℃           |
|                              | Working humidity                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 20~95% RH, without condense        |
|                              | Storage temp &                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -40~+80℃, 10~95% RH                |
|                              | Temp. coefficient                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ±0.03%/℃ (0~50℃)                   |
| <b>Safety reg. &amp; EMC</b> | Safety regulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IEC/EN61347;IEC/EN60950;IP67       |
|                              | Voltage proof                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | I/P-O/P:3750Vac                    |
|                              | Insulation resistance                                                                                                                                                                                                                                                                                                                                                                                                                                                                | I/P-O/P: 100MΩ/500VDC/25℃/70% RH   |
|                              | EMC irradiation                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | EN55015:2013;EN61547:2009;         |
|                              | EMC disturbance                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | EN61000-3-2:2014; EN61000-3-3:2013 |
|                              | Strobe test Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IEEE 1789                          |
| <b>Size&amp;N.W</b>          | Dimensions                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 228x72x32mm(LxWxH)                 |
|                              | N.W.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.0Kg                              |
| <b>Notes</b>                 | 1.Unless otherwise stated, all data are taken under 230VAC input, rated load and 25℃ environment temp.<br>2.Ripple and noise: measured with a 12" double ripple cord connected in parallel with a 0.1μF and a 47 μF capacitor, on 20MHz and width.<br>3.Accuracy: including preset errors, linear adjustment rate and load adjustment rate.<br>4.Linear adjustment: taken under rated load from low voltage to high voltage.<br>5.Load adjustment: taken under 0~100% of rated load. |                                    |

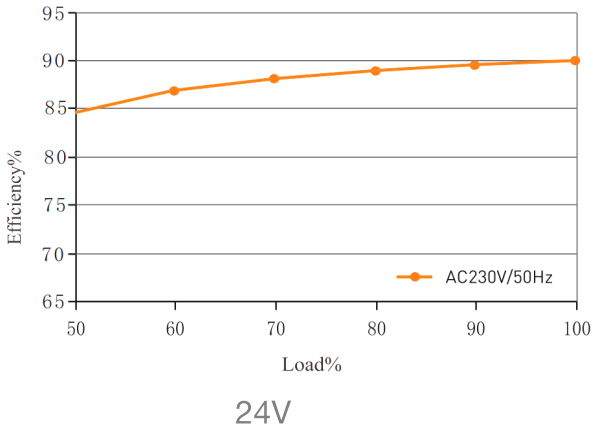
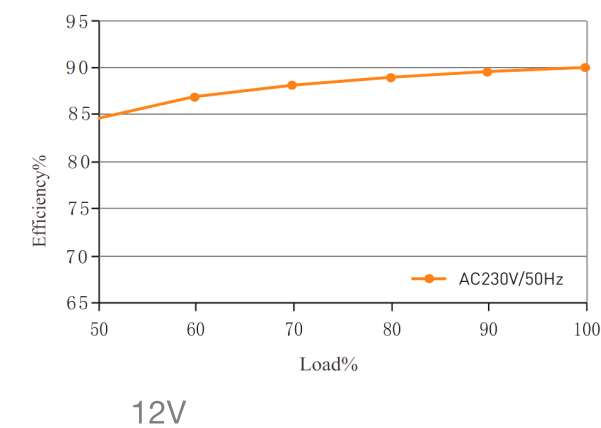
**•Appearance&Dimensions:**



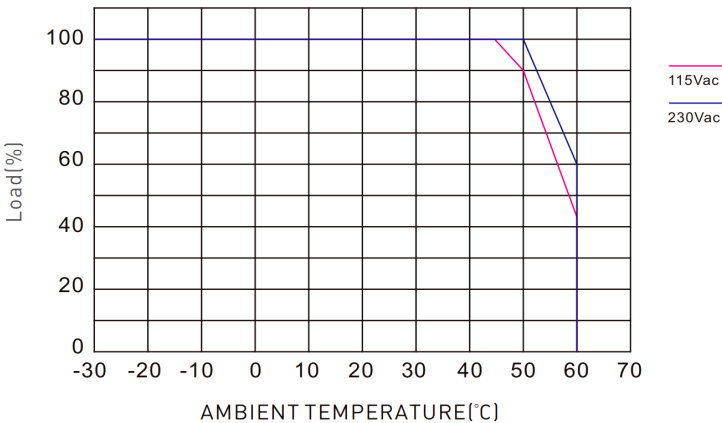
**•Wiring Diagram:**



•Efficiency&Load:



•Temperature load curve:



**Carton Size:** 50\*28\*16(cm)  
**Qty/Ctn:** 15Pcs  
**Weigh/Ctn:** 16.0Kg