

# 300W

# Waterproof LED Power Supply

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## Features :

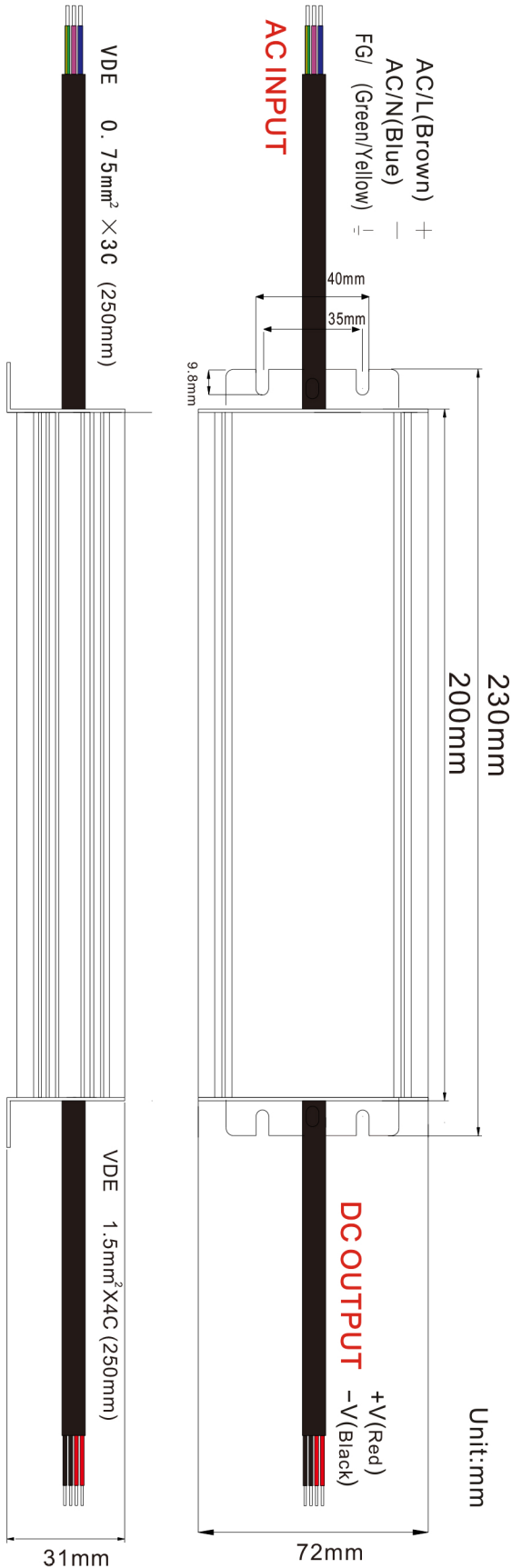
- IP67 design for indoor or outdoor installations
- Protections: Short circuit/Overload/Over temperature
- Cooling by free air convection
- 100% full load burn-in test
- Suitable for LED lighting
- Products through CE, BIS Certification
- In line with world lighting safety regulations



## SPECIFICATION

|              |   | 12V300W   | 24V300W  |  |  |  |
|--------------|---|---|----------|--|--|--|
| OUTPUT       | DC VOLTAGE  | 12V   | 24V      |  |  |  |
|              | RATED CURRENT   | 25A   | 12.5A    |  |  |  |
|              | CURRENT RANGE   | 0~25A   | 0~12.5A  |  |  |  |
|              | RATED POWER   | 300W  | 300W     |  |  |  |
|              | RIPPLE & NOISE (max.) <sup>NOTE 2</sup>   | 240mVP-P  | 300mVP-P |  |  |  |
|              | VOLTAGE TOLERANCE <sup>NOTE 3</sup>   | ±4%   | ±2%      |  |  |  |
| INPUT        | VOLTAGE RANGE   | 175~264VAC OR 100~130VAC  |          |  |  |  |
|              | FREQUENCY RANGE   | 50~60Hz   |          |  |  |  |
|              | POWER FACTOR (Typ.)   | PF>0.6/220VAC   |          |  |  |  |
|              | EFFICIENCY (Typ.)   | > 89%   | > 89%    |  |  |  |
|              | AC CURRENT (Typ.)   | 2.55A/220VAC OR 4.53A/110VAC  |          |  |  |  |
|              | INRUSH CURRENT (Typ.)   | COLD START 160A/220VAC  |          |  |  |  |
| PROTECTION   | Short circuit   | Protection type : recovers automatically after fault condition is removed |          |  |  |  |
|              | Overload  | overload protected @ 110-130% above peak rating                           |          |  |  |  |
|              | Over temperature  | Protection type : Shut down o/p voltage, re-power on to recover           |          |  |  |  |
| ENVIRONMENT  | WORKING TEMP.   | -30 ~ +50°C (Refer to output load derating curve)                         |          |  |  |  |
|              | WORKING HUMIDITY  | 20 ~ 99% RH non-condensing(Waterproof)                                    |          |  |  |  |
|              | STORAGE TEMP., HUMIDITY   | -40 ~ +80°C , 10 ~ 99% RH   |          |  |  |  |
| SAFETY & EMC | SAFETY STANDARDS  | CE Mark (LVD) , IP67  |          |  |  |  |
|              | WITHSTAND VOLTAGE   | I/P-O/P:1.5KVAC I/P-GND:1.5KVAC   |          |  |  |  |
|              | EMC Test Standards  | EN55015:2013;EN61547:2009;<br>EN61000-3-2:2014; EN61000-3-3:2013          |          |  |  |  |
| NOTE         | 1. All parameters NOT specially mentioned are measured at 220VAC OR 110VAC input, rated load and 25°C of ambient temperature.<br>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 10uf parallel capacitor.<br>3. Tolerance : includes set up tolerance, line regulation and load regulation. |   |          |  |  |  |

## Mechanical Specification



## Others

|                 |                        |
|-----------------|------------------------|
| DIMENSION       | 230X72X31 (mm) (L×W×H) |
| CARTON QUANTITY | 15 PCS/Carton          |
| CARTON SIZE     | 495x275x155(mm)        |
| WEIGHT          | 980g/pcs               |

## Derating Curve

