

# 80W

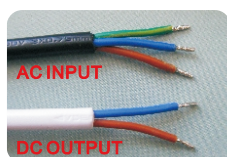
# Waterproof LED Power Supply

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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, RoHS Certification
- 3 years warranty

**IP67 CE RoHS**



FG/± (Green/Yellow)  
AC/N (Blue)  
AC/L (Brown)  
-V (Blue)  
+V (Brown)

## SPECIFICATION

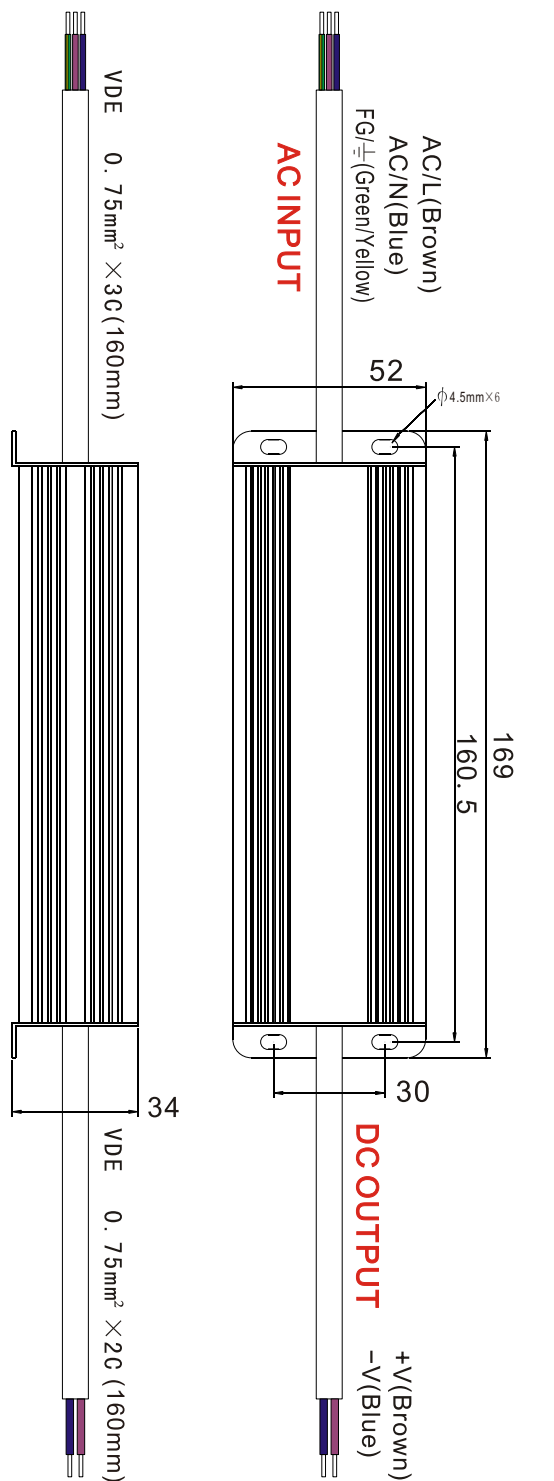
| MODEL        |                                                                                                                                                                                                                                                                                                                                                           | YSV-12080-A                                                               | YSV-24080-A |  |  |  |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------|--|--|--|
| OUTPUT       | DC VOLTAGE                                                                                                                                                                                                                                                                                                                                                | 12V                                                                       | 24V         |  |  |  |
|              | RATED CURRENT                                                                                                                                                                                                                                                                                                                                             | 6.67A                                                                     | 3.33A       |  |  |  |
|              | CURRENT RANGE                                                                                                                                                                                                                                                                                                                                             | 0~6.67A                                                                   | 0~3.33A     |  |  |  |
|              | RATED POWER                                                                                                                                                                                                                                                                                                                                               | 80W                                                                       | 80W         |  |  |  |
|              | RIPPLE & NOISE (max.) <sup>NOTE 2</sup>                                                                                                                                                                                                                                                                                                                   | 150mV                                                                     | 200mV       |  |  |  |
|              | VOLTAGE TOLERANCE <sup>NOTE 3</sup>                                                                                                                                                                                                                                                                                                                       | ±2%                                                                       | ±1.4%       |  |  |  |
| INPUT        | SETUP, RISE TIME                                                                                                                                                                                                                                                                                                                                          | 80ms/220VAC                                                               |             |  |  |  |
|              | HOLD UP TIME (Typ.)                                                                                                                                                                                                                                                                                                                                       | 60ms/220VAC                                                               |             |  |  |  |
|              | VOLTAGE RANGE                                                                                                                                                                                                                                                                                                                                             | 170~250VAC OR 100~130VAC                                                  |             |  |  |  |
|              | FREQUENCY RANGE                                                                                                                                                                                                                                                                                                                                           | 50 ~ 60Hz                                                                 |             |  |  |  |
|              | POWER FACTOR (Typ.)                                                                                                                                                                                                                                                                                                                                       | PF>0.55/220VAC                                                            |             |  |  |  |
|              | EFFICIENCY (Typ.)                                                                                                                                                                                                                                                                                                                                         | 83%                                                                       | 86%         |  |  |  |
|              | AC CURRENT (Typ.)                                                                                                                                                                                                                                                                                                                                         | 0.4A/220VAC                                                               |             |  |  |  |
|              | INRUSH CURRENT (Typ.)                                                                                                                                                                                                                                                                                                                                     | COLD START 50A/220VAC                                                     |             |  |  |  |
| PROTECTION   | Short circuit                                                                                                                                                                                                                                                                                                                                             | Protection type : recovers automatically after fault condition is removed |             |  |  |  |
|              | Overload                                                                                                                                                                                                                                                                                                                                                  | overload protected @ 115-140% 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 input, rated load and 25°C of ambient temperature.<br><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><br>3. Tolerance : includes set up tolerance, line regulation and load regulation. |                                                                           |             |  |  |  |

# 80W

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### Mechanical Specification



### Others

|                 |                       |
|-----------------|-----------------------|
| DIMENSION       | 169×52×34(mm) (L×W×H) |
| CARTON QUANTITY | 20PCS/Carton          |
| CARTON SIZE     | 405x250x168(mm)       |
| WEIGHT          | 510g/PCS              |

### Derating Curve

