

## PREMIUM RANGE IP67 CONSTANT VOLTAGE LED DRIVER

913-045 CYFELCO DRV 60W12V IP67

### PRODUCT DATASHEET

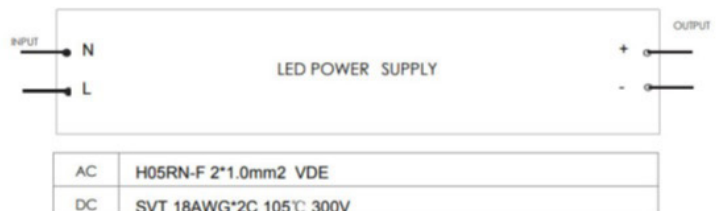
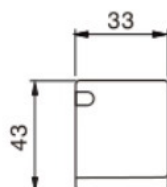
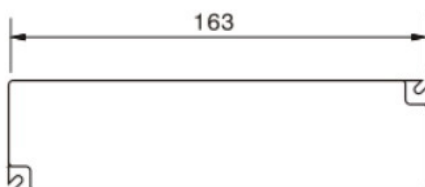
12V Constant Voltage LED Driver suitable for led strip lighting

#### Areas of application

- Direct LED strips
- LED indoor/outdoor lighting
- LED decorative lighting, bathrooms, kitchens and outdoor areas
- Facade and Building Illumination

#### Product Features

- Independent Power Supply
- Flicker-free Design
- Primary and Secondary Sides come with leads
- Protections: Over Voltage, Overload, Short Circuit
- Class II Protection Design
- 5 Years Warranty



## TECHNICAL DATA

### Input Parameters

|                           |                     |
|---------------------------|---------------------|
| Input Voltage             | 220-240V AC         |
| Line Frequency            | 50/60 Hz            |
| Power Factor              | >0.90               |
| Input Current             | 0.4A Max@Full Load  |
| Inrush Current            | 0.65A Max@Full Load |
| Leakage Current           | <0.25mA/240VAC      |
| Total Harmonic Distortion | <20%                |
| Efficiency                | 88%                 |

### Protection

|                          |                       |
|--------------------------|-----------------------|
| Overload Protection      | Auto Restore/Hiccup   |
| Overvoltage Protection   | Auto Restore/Shutdown |
| Short Circuit Protection | Auto Restore          |
| Ingress Protection Code  | IP67                  |
| Protection Class         | II                    |

### Logistics

|                        |                       |
|------------------------|-----------------------|
| Dimensions (H x L x W) | 163x43x33 mm          |
| Net Weight per piece   | 380 g                 |
| Packing                | 50 pcs per carton box |
|                        |                       |
|                        |                       |
|                        |                       |

### Directives

|             |  |
|-------------|--|
| 2014/30/EU  | Electromagnetic Compatibility Directive              |
| 2014/35/EU  | Low Voltage Directive                                |
| 2011/65/EU  | Restriction of Hazardous Substances Directive (RoHS) |
| 2009/125/EU | Ecodesign Requirements for energy-related products   |

### Standards

|                                   |   |
|-----------------------------------|---|
| EN 61347-1:2015+A1:2021           | Lamp controlgear - Part 1: General and safety requirements  |
| EN 61347-2-13:2014+A1:2017        | Particular requirements for d.c. or a.c. supplied electronic control gear for LED modules   |
| EN IEC 55015:2019+A11:2020        | Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment   |
| EN 61547:2009                     | Equipment for general lighting purposes - EMC immunity requirements   |
| EN IEC 61000-3-2:2019+A1:2021     | Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current $\leq 16$ A per phase)  |
| EN 61000-3-3:2013+A1:2019+A2:2021 | Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current $\leq 16$ A per phase and not subject to conditional connection |
| EN 60598-1:2015/A1:2018           | Luminaires - Part 1: General requirements and tests   |
|                                   |   |

### Output Parameters

|                            |                   |
|----------------------------|-------------------|
| DC Voltage                 | 12V               |
| Rated Current (Max)        | 5A                |
| Rated Power (Max)          | 60W               |
| Voltage Tolerance          | $\pm 5\%$         |
| Ripple and Noise           | 400mVp-p          |
| Line Regulation            | $\pm 3\%$         |
| Load Regulation            | $\pm 5\%$         |
| Flickering metric (Pst LM) | <1 (Flicker-Free) |

### Environmental

|                          |               |
|--------------------------|---------------|
| Operating Temperature Ta | -20 to +45 °C |
| Storage Temperature      | -40 to +85 °C |
| Max Case Temperature Tc  | +85 °C        |
| Humidity                 | 20-95% RH     |
| Service Lifetime         | >43,000 Hours |

### Other

|               |               |
|---------------|---------------|
| MTBF          | 200,000 Hours |
| Warranty      | 5 Years       |
| Case Material | Plastic       |
|               |               |
|               |               |
|               |               |

