

PREMIUM RANGE IP67 CONSTANT VOLTAGE LED DRIVER

913-046 CYFELCO DRV 100W12V IP67

PRODUCT DATASHEET

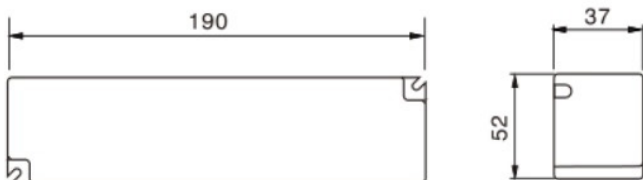
12V Constant Voltage LED Driver suitable for led strip lighting

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	0.6A Max@Full Load
Inrush Current	0.65A Max@Full Load
Leakage Current	<0.25mA/240VAC
Total Harmonic Distortion	<20%
Efficiency	90%

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)	190x52x37 mm
Net Weight per piece	610 g
Packing	20 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 ≤ 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 ≤ 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)	8.33A
Rated Power (Max)	100W
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

