

Power Supply for 18-30pcs 3W LED, 45-100V, 600mA, IP67

Product codes:

Reference: AM2501

EAN13: -

UPC: 85044090

Product features:

Current: 600 mA

Input voltage: 85-265 V AC, 50/60 Hz

Output voltage: 45-100 V DC

Performance: 60 W

Housing material: Aluminium

Waterproof grade: IP67



Product attributes:

Product description:

The 600mA constant current power supply is designed for powering LED modules and high-power LEDs in arrays of 18 to 30 pieces of 3W each. The product serves as an LED driver for stable current supply and is suitable for lighting applications requiring a DC output in the corresponding range. The metal casing and IP67 protection expand the possibilities of use even in demanding environments.

Technical Specifications

- Product type: LED driver / LED power supply
- Output mode: Constant current
- Rated output current: 600 mA
- Current tolerance: $\pm 5\%$
- Wiring variant: 18-30x 3W LEDs
- Power range: 30-60 W
- Input voltage: 85-277 V AC
- Input frequency: 50/60 Hz
- Output voltage: 45-100 V DC

- Protection rating: IP67
- Efficiency: 90%
- Power factor: 0.95
- Dimensions: 117 × 37 × 29 mm
- Weight: 200g
- Model: QH 600mA LED Driver
- Certification: CE, RoHS, CCC

Features and Properties

- The power supply is designed for current-driven LED loads with a nominal current of 600 mA.
- The wide input range design allows use in networks with voltages from 85 to 277 V AC.
- The DC output range of 45 to 100 V corresponds to the series connection of LEDs in the specified 18–30x 3W configuration.
- The metal body supports heat dissipation during operation.
- IP67 protection is designed for installations requiring increased resistance to dust and water ingress.
- The connection is made via wire leads without a mains plug and without output connectors.

Ideal for

- Powering series-connected 3W high-power LEDs.
- LED luminaires, light modules, and technical lighting solutions with a constant current of 600 mA.
- Built-in installations and repairs of LED lighting where a wide input range and a higher degree of protection are required.

Package Contents

- 1x LED power supply 600 mA

Why Choose This Product

- Constant current of 600 mA for LED applications requiring current-driven power.
- Wide AC input range of 85–277 V.
- DC output range of 45–100 V for 18–30x 3W LED arrays.
- IP67 protection for demanding operating conditions.
- Compact dimensions and wired connection for integration into luminaires and technical assemblies.

Installation and Operating Instructions

- Before connecting, verify that the powered LED load matches the 600 mA output current and the operating range of the output voltage.
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- Connect the power supply only to an LED load designed for constant current.
- Ensure correct connection of the input and output wires.
- Perform the installation with the mains voltage disconnected.
- Ensure the installation does not mechanically stress the cable outlets and prevents damage to the wire insulation.

Safety Warnings

- The product operates with an AC mains voltage of 85-277 V. Risk of electric shock.
- Installation and wiring must be performed by a person with appropriate electrical qualifications.
- Incorrect connection of the LED load or a short circuit at the output may damage the power supply or connected LEDs.
- Do not install the product if the casing, wires, or insulation are damaged.
- During operation, ensure conditions correspond to the intended use and do not exceed the declared power range.

Product gallery:

