

Voltage converter from 12-35V AC to 12V DC, 3A, 36W, IP68

Product codes:

Reference: AM5940

EAN13: -

UPC: 85044090

Product features:

Input voltage: 12-35 V AC

Output voltage: 12 V DC

Output current: 3 A

Output power: 36 W

Waterproof grade: IP68

Lifetime: 100,000 hours



Product attributes:

Product description:

The voltage converter is used to convert low-voltage alternating current power to a stabilized direct current output of 12 V DC. It is designed for powering devices requiring a direct current voltage of 12 V in installations where an input voltage of 12-35 V AC is available. The metal casing with IP68 protection allows use in environments with increased demands for resistance to moisture and dust.

Technical specifications

- Device type: AC/DC voltage converter
 - Input voltage: 12-35 V AC
 - Output voltage: 12 V DC
 - Maximum output current: 3 A
 - Output power: 36 W
 - Efficiency: 88 %
 - No-load consumption: max. 20 mA
 - Protection: IP68
 - Operating temperature: -40 to +80 °C
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- Ambient humidity: 0 to 95 %
- Dimensions: 65 x 25 x 20 mm
- Weight: 50 g
- Certification: CE, RoHS

Functions and features

- Conversion of input alternating voltage to output direct voltage 12 V DC.
- Integrated overload protection.
- Integrated overvoltage protection.
- Integrated overheating protection.
- Integrated short circuit protection.
- Aluminum casing with ribbing for heat dissipation.
- Potted design suitable for installations with a requirement for increased resistance to water and dust.
- Connection using led-out wires.

Ideal for

- Powering 12V DC devices from a 12-35 V AC source.
- Low-voltage electrical installations with a requirement for a stabilized direct current output.
- Technical applications in environments with increased humidity or dustiness.
- Built-in installations in devices, distributions, and systems with limited installation space.

Package contents

- Voltage converter with led-out connection wires.

Why choose this product

- Allows conversion of low-voltage AC power to a 12 V DC output.
- Features the listed protective functions against overload, overvoltage, overheating, and short circuit.
- IP68 protection supports use in more demanding installation conditions.
- The metal ribbed casing helps dissipate heat from the converter.
- Compact dimensions facilitate integration into technical devices.

Installation and operation instructions

- Before connection, verify the compliance of the input voltage with the converter specification.
 - Observe the correct polarity of the output direct current voltage.
 - The output load must not exceed the specified maximum current and
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power.

- Install the converter so that it is not mechanically stressed by the supply wires.
- During continuous load, ensure conditions for heat dissipation from the casing.

Safety warnings

- Installation may only be performed by a person with knowledge of wiring electrical devices.
- Disconnect the power supply of the entire circuit before installation.
- Incorrect wiring can cause damage to the converter, connected device, short circuit, or overheating.
- Do not use the product outside the specified electrical and operating parameters.
- Do not connect a damaged converter or a converter with damaged wire insulation to the power supply.

Product gallery:

