

Voltage converter from 12/24 V DC to 5V DC, 20A, 100W, IP68

Product codes:

Reference: AM1436

EAN13: -

UPC: 85044090

Product features:

Input voltage: 12-24 V DC

Output voltage: 5 V DC

Output current: 20 A

Output power: 100 W

Waterproof grade: IP68

Lifetime: 100,000 hours



Product attributes:

Product description:

The DC-DC voltage converter is used to convert a direct current input voltage of 12/24 V DC to a stabilized output voltage of 5 V DC. It is designed for powering devices requiring low direct current voltage and higher output current, for example in automotive, service, industrial, or installation applications.

Technical specifications

- Product type: DC-DC voltage converter
- Input voltage: 12/24 V DC (10-30V DC)
- Output voltage: 5 V DC
- Output current: 20 A
- Output power: 100 W
- Protection rating: IP68
- Dimensions: 74 x 74 x 32 mm
- Weight: 250 g
- Certification: CE, RoHS

Functions and features

- Conversion of direct current voltage from 12/24 V DC to an output of 5 V DC.
- Designed for use in electrical and electronic devices with direct current power supply.
- Construction in a closed casing with wires for connecting the input and output.
- The IP68 protection rating allows use in environments with increased demands for protection against dust and water.
- The output power of 100 W is given by the output voltage of 5 V DC and the output current of 20 A.

Ideal for

- Powering 5V DC devices from a 12/24 V DC direct current power supply system.
- Automotive and onboard electrical installations with direct current voltage.
- Service and development applications where conversion to a stabilized voltage of 5 V DC is needed.
- Electronic projects with a requirement for higher output current at a voltage of 5 V DC.

Package contents

- 1x DC-DC voltage converter 12/24 V DC to 5 V DC, 20 A

Why choose this product

- The input voltage of 12/24 V DC corresponds to common direct current power supply systems.
- The output of 5 V DC and 20 A allows powering devices with a requirement for higher current draw.
- The closed design with IP68 protection rating is suitable for installations with higher demands on casing durability.
- The output power of 100 W is based on the verifiable calculation of 5 V x 20 A.

Installation and operation instructions

- Before connecting, verify that the input voltage corresponds to the value of 12/24 V DC.
 - The connected load must not exceed the output values of 5 V DC and 20 A.
 - Observe the correct polarity of both the input and output connections.
 - For a current of 20 A, use wires and terminals corresponding to the current load.
 - Install the converter in such a way as to prevent short circuits,
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mechanical damage, or contact with conductive objects.

- The installation may only be performed by a person with knowledge of working with direct current power circuits.

Safety warnings

- Incorrect connection leads to damage to the converter, the connected load, or the power supply.
- In case of overload, short circuit, or insufficient cooling, there is a risk of overheating.
- Do not connect the converter outside the specified input voltage of 12/24 V DC.
- Before handling, disconnect the power supply and verify the absence of voltage on the wires.
- The product is not intended for direct connection to mains voltage.

Product gallery:

