

Voltage converter from 12V DC to 24V DC, 20A, 480W, IP67

Product codes:

Reference: AM4201

EAN13: -

UPC: 85044090



Product features:

Input voltage: 12 V DC

Output voltage: 24 V DC

Output current: 20 A

Output power: 480 W

Waterproof grade: IP67

Lifetime: 100,000 hours

Inverter type: Boost (step-up)

Product attributes:

Product description:

The DC/DC voltage converter is designed to increase direct current voltage from 12 V to 24 V at an output current of 20 A. It serves to power devices requiring a 24V DC power supply from a 12V DC source, for example in island, battery, vehicle, or technical power systems.

Technical specifications

- Device type: DC/DC voltage converter
- Input voltage: 12 V DC
- Output voltage: 24 V DC
- Output current: 20 A
- Output power: 480W
- Dimensions: 140 x 120 x 42.5 mm
- Protection: IP67

Functions and features

- Increases direct current voltage from 12 V DC to 24 V DC.
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- Designed for powering 24V DC devices from a 12 V DC voltage source.
- Suitable for systems where it is necessary to separately solve proper fusing, wire sizing, and cooling according to the load.
- The design of the converter requires correct connection of input and output polarity.

Ideal for

- Power systems with an input voltage of 12 V DC and a requirement for a 24 V DC output.
- Automotive, service, and technical installations with direct current power supply.
- Battery and island power systems.
- Devices and electronics designed for 24V DC power supply.

Package contents

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

Installation and operation instructions

- Mounting and connection must be performed by a person with appropriate professional qualification.
- Before connection, verify the match of the input voltage of the source and the required output voltage of the load.
- Observe the correct polarity of the input and output.
- Use wires and fusing corresponding to the current load.
- Install the converter in a place with sufficient heat dissipation.
- Do not exceed the specified output parameters.

Safety warnings

- Incorrect connection can cause a short circuit, overheating, damage to the converter, or damage to the connected device.
- The device operates with higher currents, therefore it is necessary to ensure an adequate wire cross-section and suitable fusing.
- Always disconnect the power supply before mounting and maintenance.
- Do not cover the converter during operation and do not place it in an area without the possibility of heat dissipation.
- Do not use the converter in an installation where the requirements for voltage, current, and safe connection are not met.

Why choose this product

- Allows powering 24V DC devices from a 12V DC source.
 - The parameters of 12 V DC on the input and 24 V DC / 20 A on the
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output correspond to use in direct current power systems.

- The dimensions of 140 x 120 x 42.5 mm allow integration into technical assemblies with limited mounting space.
- Suitable as a part of installations where a change in the level of direct current voltage is required.

Product gallery:

