

# Voltage converter from 12-24V to 6V, 10A, 60W, IP68

Reference: AM4895  
EAN13: -  
HS code: 85044090



## Product attributes:

## Product features:

Input voltage: 12-24 V DC  
Output voltage: 6 V DC  
Output current: 10 A  
Output power: 60 W  
Waterproof grade: IP68  
Lifetime: 100,000 hours

## Product description:

The DC/DC voltage converter is designed to convert input DC voltage 12-24 V to output 6 V DC. The product is suitable for powering devices requiring stabilized voltage 6 V in applications with on-board or similar DC distributions. The design with IP68 protection and aluminum finned body supports use even in more demanding environments and effective heat dissipation.

## Technical specifications

- Product type: DC/DC voltage converter
- Input voltage: 12-24V DC
- Input voltage range: 10-35V DC
- Output voltage: 6V DC
- Maximum output current: 10 A
- Maximum power: 60W
- Efficiency: 91%
- No-load current consumption: max. 55 mA
- Protection: IP68
- Working temperature: -40 to +80 °C
- Ambient humidity: 0 to 95%
- Dimensions: 74 x 74 x 32 mm
- Weight: 290g

## Functions and features

- Converting DC voltage from 12-24 V DC to 6 V DC
- Aluminum construction with fins for heat dissipation
- Integrated protection against overload, overvoltage, overheating and short circuit
- Wiring using input and output wires
- Sealed design suitable for installations exposed to moisture and dust

## Ideal for

- Powering 6V devices from 12V or 24V DC power supplies
- Automotive, industrial and technical applications with DC power supply
- Installation in environments with increased demands for water and dust resistance

## Package contents

- DC/DC voltage converter 12-24 V to 6 V

## Why choose this product?

- Defined input and output voltages for powering 6V devices from 12V and 24V systems
- Output current up to 10 A for higher current loads
- IP68 protection for use in more demanding operating environments
- Protective functions support safer operation during error conditions
- Aluminum body contributes to heat dissipation

## Installation and operating instructions

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- Before connecting, verify the correct polarity of the input and output.
- Install the inverter in such a way that heat can be dissipated from the device body.
- Do not exceed the specified input voltage, output current, or power load.
- The connected device must be designed for 6 V DC power supply.
- Install into an appropriate electrical system and with consideration for circuit protection.

## Safety notice

- Incorrect wiring may cause damage to the inverter, the powered device, or the wires.
- During installation, there is a risk of short circuit and excessive heating due to insufficient fuse protection or inappropriate sizing of the wires.
- Do not install the device under voltage.
- Professional installation is recommended, especially in vehicles, machinery and fixed electrical installations.

