Voltage converter from 8-36V to 13V, 25A, 325W, IP68

Reference: AM6030
EAN13: -
HS code: 85044090

Product attributes:

Product features:

Input voltage: 8-36 V DC
Output voltage: 13 V DC
Output power: 325 W
Waterproof grade: IP68
Lifetime: 100,000 hours

Product description:

High-performance DC/DC converter designed to convert voltage from a wide input range of 8–36V DC to stable 13V DC. Thanks to its robust design, high efficiency and IP68 protection, it is suitable for demanding industrial applications, vehicles and systems with higher energy demands.

Technical specifications

- Type: DC/DC converter
- Input voltage: 8-36V DC
- Output voltage: 13V DC
- Maximum output current: 25A
- Output power: 325W
- Efficiency: up to 95%
- Electrical insulation: non-isolated design (common input and output ground)
- Protections: overvoltage, overload, short circuit, overheating
- Cooling: passive (aluminum heatsink)
- Operating temperature: -40 to +80 °C
- Protection: IP68
- Dimensions: 125 × 105 × 52 mm
- Weight: 1200g
- Certification: CE, RoHS

Functions and features

- Stabilization of output voltage 13V DC over a wide input voltage range
- High efficiency to reduce losses and heating at higher loads
- Robust design with passive cooling for operation in harsh conditions
- IP68 protection for use in dusty and humid environments
- Integrated protections for increased operational reliability

Ideal for

- Powering 12/13V devices in vehicles and mobile applications (24V/36V systems)
- Industrial installations with variable DC power supply
- Powering electronics in harsh outdoor environments
- Systems requiring higher currents at stable DC voltage

Package contents

- DC/DC converter

Why choose this product?

- Wide input range of 8–36V DC for compatibility with various power systems
- 13V DC output up to 25A for higher power applications
- IP68 protection and passive cooling for operation in harsh conditions
- Integrated protection functions (overvoltage, overload, short circuit, overheating)
- CE and RoHS compliance

Installation and operating instructions

- Before installation, verify that the input voltage of the power supply is within the range of 8–36V DC.
- Observe the correct polarity of the connection and use wires with an appropriate cross-section for current up to 25A.
- Provide suitable location for heat dissipation from the aluminum body of the inverter, especially under continuous load.
- It is recommended to fuse the input and output according to the requirements of your application.

Safety notice

- Perform installation with the power disconnected.
- Incorrect polarity connection or insufficient fuse protection can lead to damage to the device and the connected load.
- The inverter may become hot during operation; ensure that it is not covered or in contact with flammable materials.