

Voltage converter 18–36V to 12V DC, 10A, 120W, isolated

Product codes:

Reference: AM6279

EAN13: -

UPC: 85044090



Product features:

Input voltage: 18-36 V DC

Output voltage: 12 V DC

Output current: 10 A

Output power: 120 W

Waterproof grade: IP67

Lifetime: 100,000 hours

Product attributes:

Product description:

Isolated DC/DC converter designed to convert input voltage 18–36V DC to stable 12V DC. Thanks to its robust aluminum construction, epoxy potting and passive cooling, it provides high reliability even in demanding industrial and telecommunications applications. Stable output current of 10A allows powering power circuits and sensitive electronics.

Technical specifications

- Input rated voltage: 24V DC
 - Input range: 18–36V DC
 - Output voltage: 12V DC
 - Maximum output current: 10A
 - Maximum output power: 120W
 - Efficiency: up to 92% at 24V input
 - Electrical isolation: galvanically isolated input and output
 - Voltage regulation: 1%
 - Load regulation: 2%
 - Ripple and noise: 44–250 mVp-p
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- No-load consumption: 15 mA at 24V_{in}
- Protections: overvoltage, overcurrent, low input voltage, overheating
- Cooling: passive, free air circulation
- Operating temperature: -40°C to +80°C
- Operating humidity: 10% to 90% RH
- Storage temperature: -40°C to +85°C
- Weight: 570g
- Dimensions: 74 × 74 × 29.5 mm
- Input connection: screw terminals
- Output connection: screw terminals
- Construction: aluminum housing with epoxy casting
- Certification: CE, RoHS

Functions and features

- Galvanically isolated input and output for safe operation and minimal interference.
- High efficiency of up to 92% for economical operation without excessive heating.
- Stable 12V output suitable for industrial and telecommunications applications.
- Powerful design with high-quality heat dissipation using an aluminum heatsink.
- Epoxy potting provides protection against vibration, moisture and dust.
- Possibility of mounting in almost any position thanks to compact dimensions.

Ideal for

- Industrial control systems and automation
- Telecommunications technology and power infrastructure
- Transportation technology and applications with 24V batteries
- Power supply for control units, electronics and modules
- Special power systems requiring isolated 12V DC

Package contents

- 1× DC/DC converter 18–36V → 12V, 10A, isolated

Why choose this product?

- Reliable operation even in extreme conditions thanks to the aluminum housing and potting.
 - Full input and output isolation for maximum safety.
 - High efficiency and low heat loss.
 - Compact design for easy installation.
 - Wide input range of 18–36V DC for flexible use.
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Product gallery:

