

# Voltage converter 18–36V to 24V DC, 5A, 120W, isolated

Reference: AM8877  
EAN13: -  
HS code: 85044090



## Product attributes:

## Product features:

Input voltage: 18-36 V DC  
Output voltage: 24 V DC  
Output current: 5 A  
Output power: 120 W  
Waterproof grade: IP67  
Lifetime: 100,000 hours

## Product description:

Isolated DC/DC converter designed to convert input voltage 18–36V DC to stable 24V DC with output current 5A. It combines high efficiency, galvanic isolation and robust construction resistant to vibrations, moisture and dust thanks to epoxy potting. This converter is ideal for powering industrial systems, telecommunications equipment and control units operating in harsh conditions.

## Technical specifications

- Input rated voltage: 24V DC
- Input range: 18–36V DC
- Output voltage: 24V DC
- Maximum output current: 5A
- Maximum output power: 120W
- Efficiency: up to 93% (at 24V input)
- Electrical isolation: galvanically isolated input and output
- Voltage regulation: 1%
- Load regulation: 2%
- Ripple and noise: 14–300 mVp-p
- No-load consumption: 24 mA at 24Vin
- Protections: overvoltage, overcurrent, undervoltage, 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: 290g
- Dimensions: 74 × 74 × 29.5 mm
- Input connection: screw terminals
- Output connection: screw terminals
- Construction: aluminum housing, epoxy potting, surface mount
- Certification: CE, RoHS

## Functions and features

- Galvanically isolated input and output for maximum safety of connected devices.
- High efficiency up to 93% with minimal heat loss.
- Stable 24V output suitable for industrial modules, sensors and control electronics.
- Robust construction with resistance to vibration, moisture and dust.
- Ergonomic aluminum heatsink for effective heat dissipation without active cooling.
- Compact dimensions allowing installation even in limited spaces.

## Ideal for

- Industrial control systems and automation
- Telecommunications equipment and power infrastructure
- Transportation technology and 24V power systems
- Power supply for power modules, electronics and sensors
- Applications requiring stable and isolated 24V DC

## Package contents

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- 1× DC/DC converter 18-36V → 24V, 5A, isolated

## Why choose this product?

- High efficiency up to 93% and stable operation over a wide temperature range.
- Galvanic isolation protects the system from overvoltage and interference.
- Robust design with long service life.
- Compact size allows for easy installation.
- Reliable 120W power even in demanding operating conditions.

