

# Voltage converter 36–75V to 24V DC, 5A, 120W, isolated

## Product codes:

Reference: AM1759

EAN13: -

UPC: 85044090



## Product features:

Input voltage: 36-75 V DC

Output voltage: 24 V DC

Output current: 5 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 36–75V DC to stable 24V DC with output current 5A. Thanks to high efficiency, galvanic isolation and robust aluminum construction with epoxy casting, this converter is ideal for industrial systems, telecommunications, transportation technology and applications with 48V or 60V power supply.

## Technical specifications

- Input rated voltage: 48V DC
  - Input range: 36–75V DC
  - Output voltage: 24V DC
  - Maximum output current: 5A
  - Maximum output power: 120W
  - Efficiency: up to 91% (at 48V input)
  - Electrical isolation: galvanically isolated input and output
  - Voltage regulation: 1%
  - Load regulation: 2%
  - Ripple and noise: 14–300 mVp-p
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- No-load consumption: 24 mA at 48Vin
- 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 increases safety and reduces the risk of interference.
- Wide input range of 36-75V suitable for 48V, 60V and other industrial systems.
- High efficiency of up to 91% minimizes heating and increases service life.
- Robust construction with resistance to vibration, moisture and dust.
- Stable 24V output even with input voltage fluctuations.
- Compact dimensions allow easy installation even in limited space.

### **Ideal for**

- Telecommunications and network systems
- Industrial automation and control
- Transport and on-board electronics with 48-60V power supply
- Power supply for power modules, sensors and control units
- Applications requiring isolated and stable 24V DC

### **Package contents**

- 1× DC/DC converter 36-75V → 24V, 5A, isolated

### **Why choose this product?**

- Reliable 120W power with high efficiency.
  - Galvanic isolation protects connected systems from faults.
  - Durable aluminum construction with long service life.
  - Wide input range for universal use in industry.
  - Stable operation even in extreme temperature and humidity conditions.
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## Product gallery:

