

NON-ISOLATED DC-DC CONVERTER 48 TO 12V/35A #2006-V1.00

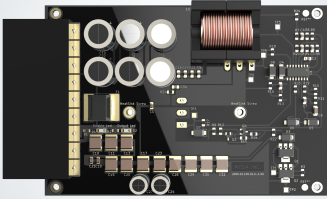


Fields of Application

- Light commercial EV
- Electric vehicles and electric construction equipment
- Energy Storage Systems
- Industrial Machines

Main Features

- Activation Pin
- High Power Density
- Over Current Protection
- Under Voltage Protection (UVLO)
- High Temperature Protection
- 50A Internal Fuse
- Input / Output LED indicators
- Fanless design - Passive Cooling
- Aluminum finned cooler box
- Fireproof Cable Connection with Socket



General Features

The high performance and reliable DC-DC Converter is designed to meet the critical energy needs of electric vehicles. It provides a reliable power supply by converting input voltage in the range of 30 - 70 VDC to a constant 12VDC. It is specifically optimized for applications such as light commercial and cargo transport. The DC-DC Converter offers powerful performance with a high current capacity of 35A. Its aluminum heatsink box effectively manages the temperature of the device, thus ensuring long-term and stable operation. The DC-DC Converter is designed in accordance with industrial reliability standards. It is equipped with safety measures and protection mechanisms, thus protecting against power surges and over currents. Its compact and durable design facilitates installation and maintenance processes. Its aluminum heatsink case increases the durability of the device and ensures a long-lasting performance. The DC-DC Converter is the ideal solution to reliably meet the power requirements of electric golf carts. With a low profile and high efficiency, this device offers a perfect combination of industrial reliability and performance.

Technical Specifications

Input Voltage Range	30VDC - 70VDC
Nominal Voltage	48VDC
Output Voltage	12 VDC
Output Current	35A
Protection	Short Circuit Protection High Temperature Protection Limited Flow Current Under(30V) - Over(70V) Voltage protection 50A Fuse
Storage Temperature	-50°C ... +90°C
Operating Temperature	-40°C - +85°C
Operating Humidity	0 - 90%
Protection Class	IP 67
Connections	Terminal Block, Header, 7.62mm, 18 Ways

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