ProClip
BUSINESS MOUNTING SOLUTIONS

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sales@proclipusa.com

48-12V DC Step Down Converter

PART #216240

$194.99

MSRP · Subject to change

Product Image
(Image Gallery Available Online)

Product Overview

This DC Step Down Converter is designed to be used when your vehicle or machine is operating at 48 Volts DC. It converts 48VDC into clean and constant 12 Volt DC. It can also handle power fluctuations from 12 to 60 Volts and maintain clean output.

Using the DC Step Down Convertor allows a ProClip 12-24V Hard-Wired Power Supply to connect with a 48V power system. (Hard-Wired power supplies sold separately)

The included 9 foot input cable is pre-terminated to plug directly into the conversion box. This can be trimmed to size to fit directly onto the common battery bus or directly into an auxiliary power circuit in a vehicle or on machinery.

Features

- For installation into vehicle power supply
- Works with forklifts and other vehicles that use up to 48 volt direct current (VDC) power systems.
- Input surge voltage of up to 60 VDC.
- Converts 60V, 48V, 36V, 24V, and 18V systems to 12V
- 36W continuous output

Specifications

- **Input Voltage:** 48VDC nominal (12V to 60V)
- **Output Voltage:** 12dc +/-10%
- **Continuous Current Rating:** 12V at 3A
- **Intermittent Current Rating:** 12V at 6A for a maximum of 2 minutes followed by 8 minute rest
- **Transient Voltage Protection:** Meets ISO7637-2 International Standard for 24Vdc Commercial Vehicles
- **Electro Static Voltage Protection:** Meets ISO10605, ISO14982, >8kV contact, 15kV discharge
- **Output Noise:** <50mV pk-pk at continuous load
- **Off load current (quiescent current):** <30mA. If connected to the battery, but not powering any equipment
- **Power Conversion Efficiency:** Typically 80%
- **Operating Temperature:** -25°C to +30°C to meet these specs. +30°C to +80°C de-rate linearly to 0A
- **Storage Temperature:** -25°C to +100°C

UNMATCHED LEAD TIMES
Stocked Items 1 - 7 Days
Custom Items 4 - 6 Weeks

PRECISE FIT
Our CNC machining process produces exact-fitting parts at fast speeds.

BUILT TO LAST QUALITY
We use the highest-grade polymers and metals for strength and durability.