ComX Computers
Product Specification Sheet

MW-24DC48DC-200

Mean Well SD-200B-48 200W Single Output DC-DC Converter

Product Overview

Mean Well - 200W Single Output DC-DC Converter, INPUT: 19-36VDC (10.4Amp), OUTPUT: 48VDC (4.2Amp)



Specifications

About this product

The Mean Well SD-200B-48 is a high efficiency 200W DC-DC converter designed for industrial and embedded applications requiring stable 48V output. It converts a 19-36V DC input into a regulated 48V DC output with reliable protection features including overload, short circuit, overvoltage, and thermal shutdown. Buy now for dependable power conversion in automation, telecom, and electronic systems across South Africa.

Overview Summary

Mean Well SD-200B-48 DC-DC Converteris a robust enclosed power supply delivering up to 201.6W output power with a stable 48V DC output at 4.2A. It is designed for industrial environments where reliable voltage conversion from 24V class systems is required.

This converter supports a wide 19-36V DC input range, making it suitable for battery powered systems, telecom infrastructure, and automation equipment. Its high efficiency design and built in protections ensure long term reliability and safe operation under varying load conditions.

The unit features 1500VAC isolation between input and output, ensuring electrical safety and noise reduction in sensitive applications. It is widely used in networking equipment, industrial controls, and DC powered systems requiring stable 48V rails.

Performance tier: Industrial grade

Uses:telecom systems, industrial automation, networking equipment, battery powered systems, DC power conversion

Overview

The Mean Well MW-24DC48DC-200 is a 200W single output DC-DC converter designed for industrial applications. It accepts an input voltage range of 19VDC to 36VDC with a maximum current of 10.4A. The unit delivers a regulated output of 48VDC at 4.2A. This converter features high efficiency and includes protection against short circuits, overloads, and over-temperature conditions. It is suitable for use in telecommunications, renewable energy systems, and general industrial power distribution where stable DC voltage conversion is required.

Description

The Mean Well SD-200B-48 is an enclosed DC-DC converter engineered for demanding electrical environments. It provides stable conversion from a 19-36V DC input to a regulated 48V DC output, making it ideal for systems that require consistent voltage delivery under variable load conditions.

Its compact chassis design allows easy integration into industrial control panels, telecom racks, and embedded systems. The converter is built with efficiency optimization and thermal protection, ensuring continuous operation in environments with limited cooling.

With galvanic isolation and integrated safety protections, the SD-200B-48 is suitable for mission critical applications where power stability and electrical safety are essential.

Features

- 200W rated output power for industrial applications
- 48V DC regulated single output at 4.2A
- Wide input voltage range 19-36V DC
- High efficiency design around 86 percent
- 1500VAC input to output isolation
- Short circuit, overload, overvoltage, and over temperature protection
- Free air convection cooling for reliable thermal performance
- Compact enclosed chassis design for easy installation

What's in the Box

- 1 x Mean Well SD-200B-48 DC-DC Converter
- Mounting terminals (pre installed)
- User and safety documentation (if supplied by manufacturer)

Specifications

- Model: SD-200B-48
- Type: Enclosed DC-DC converter
- Rated power: 201.6W
- Input voltage: 19-36V DC
- Output voltage: 48V DC
- Output current: 4.2A
- Efficiency: 86 percent
- Isolation voltage: 1500VAC
- Operating temperature: -20C to 60C
- Protection: short circuit, overload, overvoltage, over temperature
- Cooling method: free air convection
- Dimensions: 215 x 115 x 50 mm
- Mounting type: chassis mount
- Number of outputs: 1

FAQ

What is the Mean Well SD-200B-48 used for

This converter is used to step up or regulate DC power in industrial systems requiring a stable 48V supply from a lower voltage DC source.

Can it be used in telecom applications

Yes, it is commonly used in telecom and networking systems that require reliable 48V DC power rails.

Does it include protection features

Yes, it includes protection against short circuit, overload, overvoltage, and overheating.

What type of cooling does it use

The unit uses free air convection cooling, eliminating the need for an internal fan.

Is it suitable for battery powered systems

Yes, it supports 19-36V DC input, making it suitable for 24V battery based systems and similar applications.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/MW-24DC48DC-200-Mean-Well-SD-200B-48-200W-Single-Output-DC-DC-Converter-p-55080.php

Images and specifications are provided for reference and are subject to change without notice. E&OE.

Terms of Use: https://www.comx-computers.co.za/terms-of-use.php
Terms of Sale: https://www.comx-computers.co.za/terms-of-sale.php

PDF generated: 2026-11-04 00:49:52.

This PDF was generated automatically and may include content prepared or assisted by automated or AI-based systems. While reasonable care is taken to ensure accuracy, errors or omissions may occur.

For the most current and accurate product information, please refer to the product information available on our website. If any specification or other information differs from information published elsewhere, please confirm the details with us before relying on the information or making a purchasing decision.

If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.