

SolarTech Power Solutions

The function of inverter cabinet



Overview

Inverter control cabinets serve as the command center for managing and regulating electrical energy used in various applications. How does an inverter work?

Thanks to this, the inverter allows smooth control of the operation of electric drives, which translates into energy savings, longer machine life and precise control of industrial processes. The principle of an inverter is that the device first rectifies the input voltage, and then produces an AC signal at the output with the desired frequency.

What is a DC inverter & how does it work?

Its task is to convert direct current (DC) into alternating current (AC) with adjustable frequency and voltage. Thanks to this, the inverter allows smooth control of the operation of electric drives, which translates into energy savings, longer machine life and precise control of industrial processes.

What is frequency inverter?

Frequency inverter is a dedicated accessory of inverter cabinet, the variable frequency control the speed and the main technical parameters depends on the specification of built-in inverter and external configuration. Inverter cabinet have big difference according to the use of different application and different functions.

What is a power switch & protection frequency inverter cabinet?

1. The power switch and protection frequency inverter cabinet are equipped with low-voltage MCCB which is connected to the power line, in addition to complete and disconnect the circuit, can protect the circuit and VFD short circuit and overload protection. can cut off the power during maintenance . 2.

What is a decentralized inverter?

Decentralized inverters allow modular automation without the need for control

cabinet design and installation. Modular, comprehensive, scalable - the MOVI-C® modular automation system is a complete solution for any automation task. One manufacturer - one comprehensive solution.

What is a power transistor in an inverter?

Power transistors (IGBT's) switch the DC into AC. The battery provides a steady, constant source of power separate from the fluctuations that can be seen on grid power. What do you need to know when operating an inverter?

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