
High Power Inverter Kit

What is a 400 volt inverter?

The kit has a nominal input of 400-V DC, and its output is 600 W, which can be fed to the grid. Many fields use this inverter, such as motor control, UPS, and solar inverter systems. The main function of the inverter is to convert the DC power to AC power by using the power electronics like the IGBT and MOSFET.

What is a DC-AC solar inverter kit?

This document describes the implementation of the inverter kit that used as a DC-AC part of the High Voltage Solar Inverter DC-AC Kit. The kit has a nominal input of 400-V DC, and its output is 600 W, which can be fed to the grid. Many fields use this inverter, such as motor control, UPS, and solar inverter systems.

What is the function of an inverter?

The main function of the inverter is to convert the DC power to AC power by using the power electronics like the IGBT and MOSFET. Traditionally, many inverter systems will be implemented by the analog components. As the development of the digital processors, more and more low cost and high performance micro-controllers had got into the market.

What are the different types of inverters for a solar system?

For example, the inverter in the UPS system is a typical voltage-type inverter. The other type is the current type, which outputs AC current in a specified power factor. The motor control inverter and the solar inverter are the current type inverters for this design. This document will mainly discuss the current type inverters for the solar system.

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