

Igbt module composed of power inverter





Overview

What is an IGBT-inverter?

An IGBT-inverter is an inverter build with IGBT power modules to ensure high voltage/power switching functions. The IGBT power module is considered the 'heart' of the electrified drive train. Similar to a human heart distributing energy throughout our bodies, the power module functions as a human heart in the electric drive train for EV/HEVs.

What is an IGBT power module?

An IGBT is a power semiconductor die and is the short form of insulated-gate bipolar transistor. An IGBT power module is the assembly and physical packaging of several IGBT power semiconductor dies in one package. The dies are normally connected in a selected electrical configuration such as half-bridge, 3-level, dual, chopper, booster, etc.

Are IGBT modules compatible with inverter modules?

The IGBT modules are hardware compatible with inverter modules. Are you looking for support or purchase information?

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What are insulated gate bipolar transistors?

In the world of power electronics, Insulated Gate Bipolar Transistors (IGBTs) are a cornerstone technology for managing high-voltage and high-current applications. To streamline the use of IGBTs in power systems, they are often packaged together in units known as IGBT modules.



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What is an IGBT and Why Is It the Backbone of Modern Inverters

Discover what an IGBT is, its role in inverters, and why it's vital for power control. Learn about IGBT modules and their uses.

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