

# **Solar inverter IGBT company**





## Overview

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What is IGBT in solar inverter?

In solar inverter applications, IGBTs (Insulated-Gate Bipolar Transistors) offer benefits compared to other types of power devices, such as high-current-carrying capability, gate control using voltage instead of current, and the ability to match the co-pack diode with the IGBT.

Are solar inverters insulated-gate bipolar transistors?

This is true for all components from PV modules to solar inverters. The solar inverter and the integrated insulated-gate bipolar transistor (IGBT) power module have been subject to significant attention and technological development.

What is IGBT power module?

The IGBT power module plays a significant role in photovoltaic systems as it inverts the direct current coming from the sunlight directly into alternating current to be fed into the power grid. Voltage systems in solar applications have now reached 1500 V compared to 600 V less than a decade ago.

How to choose a solar inverter?

Selecting the right IGBT power semiconductor, the most fitting electrical configuration and the most reliable power module packaging is vital for the design and performance of the solar inverter, whether for a residential or commercial string inverter or a utility-scale central inverter.



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