

PDEOZE PowerContainer

Module power and inverter power



Overview

What are advanced power module products?

Advanced power module products, including IGBT, MOSFET, SiC, Si/SiC Hybrid, Diode, SiC Diode, and Intelligent Power Modules (IPMs). IGBT Modules are used in traction and in the DC-AC stages of solar inverters, energy storage systems, uninterruptible power supplies and motor drives.

What is a high voltage power module?

High voltage power modules with integrated gate drivers for consumer, industrial and automotive applications. Offering a large range of 3 Phase inverter modules covering power levels from 50 W to 10 kW. Available in different topologies including PFC and input bridge rectifier. SiC Modules contain SiC MOSFETs and SiC diodes.

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 a power inverter used for?

An inverter enables power conversion from a source to a load. The inverter is primarily used for power conversion for two purposes: Power-to-power: Electricity conversion for transmission, distribution or energy storage.

What is a mlpe solar inverter?

MLPE includes microinverters and DC power optimizers. They perform some of the same functions as a string inverter or central inverter, but are typically coupled to just one (or a few) solar modules rather than many, and offer additional features. Click the image to see how solar software can help you

with MLPEs. What is a microinverter?

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How do inverters and DC Optimizers work?

Inverters and DC optimizers perform maximum power point tracking by responding to changes in the current and voltage of the solar installation (for example, a decrease in current resulting from shade falling on the panel). They respond to these changes by adjusting the voltage to maximize power output.

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