

What is a high power IGBT module (LV100 for industrial)?

A new high power IGBT module (LV100 for industrial) is under development, which has been optimized for the requirements of high power applications in the field of renewable energy converters, and industrial drives. The outline of the module housing is same as HVIGBT LV100 and in line with the new market de facto standard.

What is a high voltage IGBT?

These High Voltage IGBTs (HVIGBTs) utilize the advanced Carrier Stored Trench-Gate Bipolar Transistor (CSTBT) technology, which significantly enhances performance by reducing power loss and enabling miniaturization. Powerex's HVIGBTs are distinguished by their incorporation of CSTBT technology.

Are Infineon IGBTs compatible with empower inverters?

market. Infineon's industry-leading discrete IGBTs are compatible with Empower's latest generation inverter in terms of packaging. Together with the high current density, ultra-low saturation voltage drop and superior parallel performance, Discrete products has increased power density by more than 20%.

What is the new housing for high-power IGBT modules?

The new housing for high-power IGBT modules is designed to cover the full-voltage range of IGBT chips from 3.3 kV to 6.5 kV. Principle applications of the new package are expected in industrial drives, traction, renewable energy, and power transmission applications. Some documents are accessible by Infineon account holders only.

To meet growing demands for energy-efficient and reliable inverter This design allows seamless replacement without the need for systems in traction applications, Mitsubishi Electric has ...

Advantage of Infineon Discrete IGBT (TO247-PLUS) Infineon's industry-leading discrete IGBTs are compatible with Empower's latest generation inverter in terms of packaging. Together with ...

High Voltage IGBT Modules/HVIPM This is a lineup of HV (High Voltage) IGBT modules that provide size reduction of the drive circuit, weight reduction of the system, and improved efficiency, allowing ...

To meet growing demands for energy-efficient and reliable inverter systems in traction applications, Mitsubishi Electric has introduced the XB-Series high-voltage IGBT modules, ...

LV100 for Wind Converter, Photovoltaic Inverter and Motor Drives High power applications in the fields such as renewable energy and industrial drives require reliable and scalable ...

Read a new blog and uncover how our FS7 IGBT based QDual 3 module technology responds to the higher market demands of efficient and reliable power conversion in energy storage ...

High Voltage IGBT HVIGBT module X-Series std type We offer a lineup of HVIGBT modules to meet

Ultra-high voltage inverter igbt

market requirements for higher efficiency, downsizing and weight reduction, and ...

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Inverters: Inverters require efficient and reliable IGBT modules to convert DC power to AC power. Powerex HVIGBTs deliver high performance in such applications, ensuring optimal energy utilization. ...

Zooming in to the traction inverter system reveals multiple blocks including the power management IC (PMIC) and the microcontroller (MCU), the high-power IGBT or SiC MOSFET power ...

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