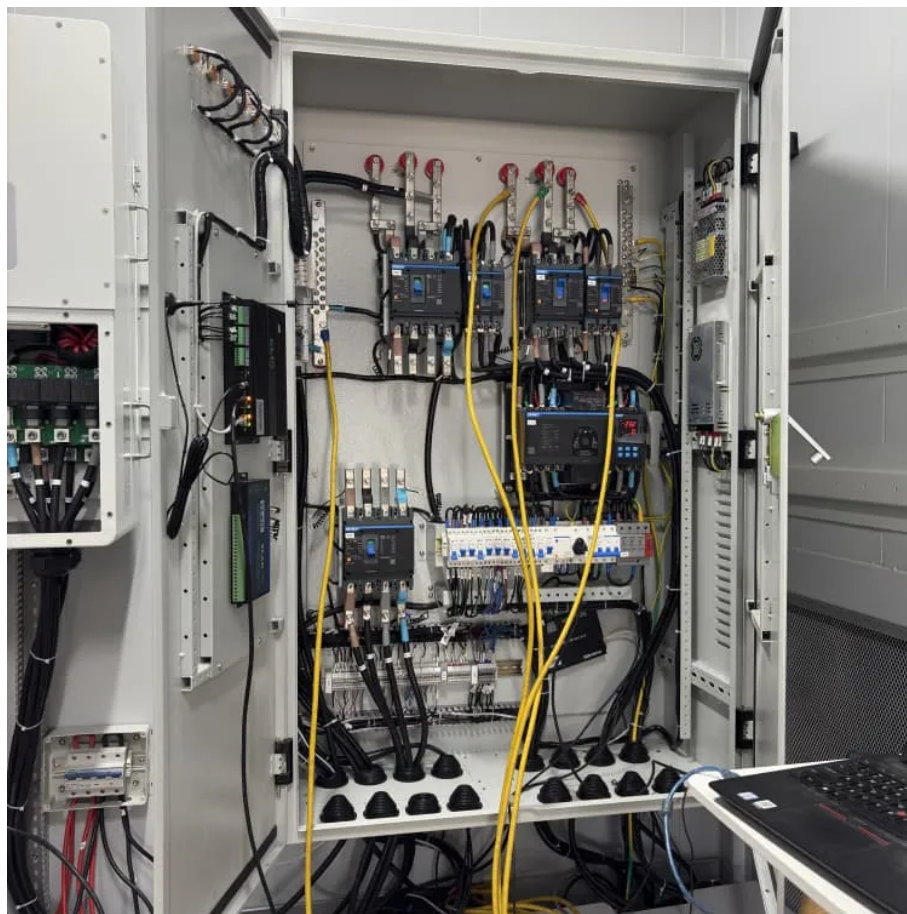


Voltage inverter high power





Overview

What is a high voltage inverter?

To power motors or other devices, high-voltage inverters convert direct current (DC) from batteries or generators to alternating current (AC). With nominal DC voltage up to 1 kV and maximum power up to 300 kW each, our inverters support a variety of applications including traction drives, grid connections, and island grids.

Are high-voltage inverters destined for battery electric vehicles?

The efficient and scalable high-voltage inverters are destined for battery electric vehicle (BEV) platforms. Two variants will be used in the passenger BEVs: one 250kW for passenger cars and all-wheel drive crossover utility vehicles and a second 350kW module for the OEM's performance vehicles.

Which EV traction inverter is best?

For EV traction inverter, more efficiency and right performance are key. While IGBT is ideal for cost-optimized drive-train, SiC demonstrates higher efficiency under WLTP partial load scenario. Infineon offers the best scalability in market between IGBT and SiC, allowing customers to freely choose the technology for their needs.

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%.



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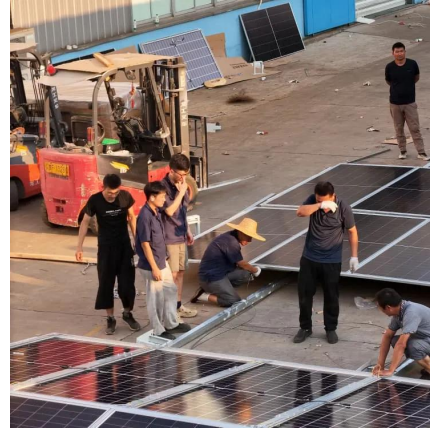


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