
New Energy Silicon Carbide Inverter Manufacturer

Will silicon carbide power EV traction inverters in 2025?

STMicroelectronics unveils new generation of silicon carbide power technology tailored for next-generation EV traction inverters. Smaller, more efficient products to ramp-up in volumes through 2025 across 750V and 1200V classes, will bring the advantages of silicon carbide beyond premium models to mid-size and compact electric vehicles.

Does Denso have a silicon carbide inverter?

KARIYA, Japan (Mar. 31, 2023) - DENSO CORPORATION, a leading mobility supplier, announced it has developed its first-ever inverter with silicon carbide (SiC) semiconductors.

Do sic semiconductor inverters reduce power loss?

A cruising test conducted under specific conditions by BEV using SiC semiconductor inverters demonstrated inverters with SiC power semiconductor reduce power loss less than half of ones with Si semiconductor. As a result, the energy efficiency of BEVs is improved and cruising range is extended.

Why should you choose Wolfspeed's silicon carbide inverter?

"Energy efficiency, reliability, and scalability are top of mind for our customers, such as EPC Power, who recognize the substantial advantages Wolfspeed's silicon carbide brings to the table." "Silicon carbide devices open the door to a step-change in inverter performance and reliability.

German inverter manufacturer Kaco New Energy has developed two new inverters for applications in commercial and industrial (C& I) solar projects.

What can Silicon Carbide Inverter provide? Developed and produced in-house, this silicon carbide (SiC) inverter delivers highly efficient power usage. Its design is dedicated to commercial vehicle demands ...

The result: A prototype for a new type of silicon carbide (SiC) frequency inverter that reduces energy losses in the drive train and eliminates the need for heavy shielded cables. The ...

The new generation SiC technology is also suitable for a variety of high-power industrial applications, including solar inverters, energy storage solutions and datacenters, ...

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prototype of the new i950 SiC inverter ...

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