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The VE-Trac power modules, available with IGBT silicon, are the components that convert direct current (DC) battery power in electric vehicles (EVs) or hybrid electric vehicles (HEV).

This work presents a DSC power module using fast-switching 1200 V silicon carbide mosfet devices in a half-bridge topology, with heterogeneous integration of gate control circuitry and ...

Direct liquid cooled high performance power module For (H)EV, truck, and bus traction inverters Press fit connections for high reliable and long lasting connection

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One of these all-important components is the power module located in the electric vehicle inverter. Power modules enable electric cars to run with more efficiency, become more ...

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Efficient semiconductor solutions for inverter applications in EVs, PHEVs, electrified commercial vehicles, as well as two- and three-wheelers.

The traction inverter converts DC battery power to precise AC for EV motors, delivering between 80 to over 300 kW power under extreme thermal conditions in a compact design.

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