Quad-silicon high power inverter

Viper is the first 800-Volt inverter to use an innovative, double-side cooled silicon carbide (SiC)-based power switch that delivers the higher power ...

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

This paper presents the study and development of a high-power range traction inverter based on Full Silicon Carbide semiconductors. Implementing this breakthrou.

Engineered for performance, the PEAK3 delivers unmatched power density in a compact, lightweight design--reducing transportation costs and ...

APsystems introduces its 2nd generation of native 3-phase quad microinverters, reaching unprecedented power outputs of 1728VA (for ...

The TIDM-02014 reference design is a 800V, 300kW SiC based inverter reference design from TI and Wolfspeed that attempts to provide a starting point for designers and engineers to achieve ...

Designed for hybrid and electric vehicles in automotive, ...

Thanks to the use of silicon carbide semiconductor technology, the efficiency of the fourth generation of our inverters is increased and the range of vehicles is extended. With a higher ...

Efficiency increase: CO2 emission reduction Power density: smaller and lighter power unit form factor Cost reduction: system level cost reduction or lower TCO

Developed and produced in-house, this silicon carbide (SiC) inverter delivers highly efficient power usage. Its design is dedicated to commercial vehicle ...

Web: https://ledact.co.za