



BUHLE POWER

300kw motor inverter





Overview

What makes Wolfspeed crd300da12e-xm3 a good inverter?

This design features: Specifications Wolfspeed's CRD300DA12E-XM3 300kW Three-Phase Inverter demonstrates best-in-class system-level power density and efficiency obtained by using our Silicon Carbide (SiC) MOSFET XM3 power module platform.

What is a traction inverter?

This reference design is an 800V, 300kW silicon carbide (SiC) based traction inverter developed by Texas Instruments and Wolfspeed®. This design provides a foundation to create a high-performance, high-efficiency traction inverter to help get to market faster. The traction inverter system is a core sub-system of an electric vehicle.

How big is a Texas Instruments inverter?

The inverter measures 279mm x 291mm x 115mm for a total volume of 9.3L and a power density of up to 32.25kW/L which is more than 2 x comparable Silicon (Si) based inverters. This reference design features the following Texas Instruments devices.



300kw motor inverter



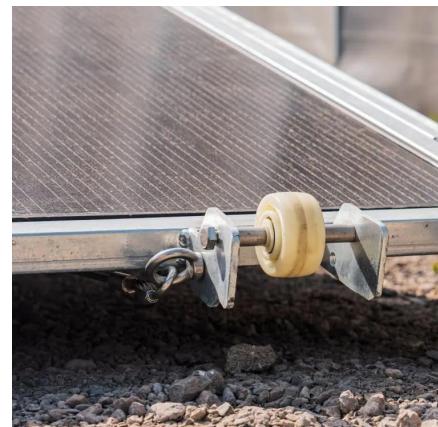
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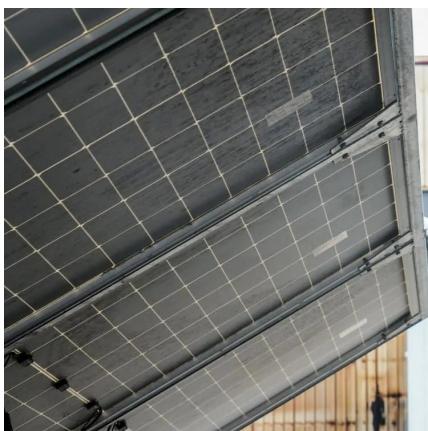
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[300 kW Three-Phase Inverter Reference Design](#)

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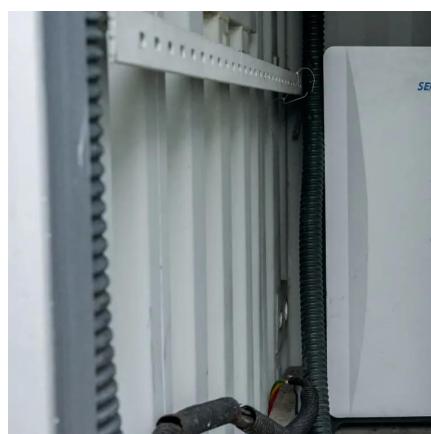


800v Motor Controller , Up to 300kW

Dec 2, 2025 · Inverter Electric Motor eDrive Powertrain Wechselrichter Elektromotor eDrive Antriebsstrang Motore elettrico Gruppo propulsore.

SolaX X3-GRAND HV PV Inverter

Dec 1, 2025 · The SolaX X3-GRAND HV MPPT string inverter from SolaX Power is available in multiple models with power ratings of 300kW, 320kW, 333kW, and 350kW. Contact us today!



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