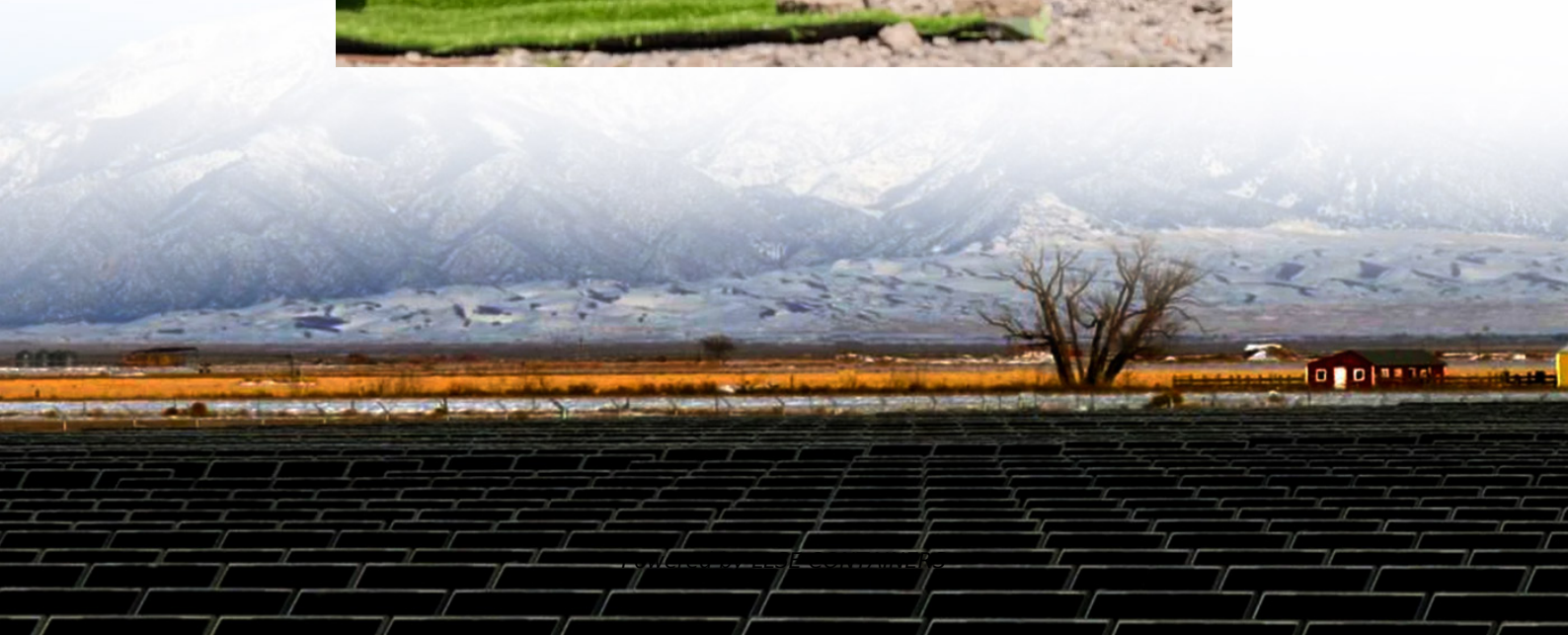


High frequency inverter silicon carbide





Overview

What is a silicon carbide (SiC) inverter?

To address these challenges, Motion Applied has developed a next generation, 800V Silicon Carbide (SiC) inverter platform. 800V offers faster vehicle charging speeds and Silicon Carbide technology provides higher powertrain system efficiency and greater vehicle range and performance.

What is a silicon carbide inverter?

Our Silicon Carbide inverter has the highest frequency switching rate that is currently possible and is 800V compatible. This means faster power transfer and a lighter system compared to 400V inverters. This allows OEMs to develop vehicles with greater ranges, faster charging times and better acceleration, at a comparable cost.

What is silicon carbide (SiC) power semiconductors?

The electrification of various industries is equally imperative. Silicon Carbide (SiC) power semiconductors represent a transformative technology, akin to Lithium-ion batteries, in achieving these objectives.

Why should you choose motion applied's 800V silicon carbide inverter?

In summary, Motion Applied's 800V Silicon Carbide inverter has the following benefits: Flexibility: Clear upgrade path from 400V infrastructure to 800V to maximise existing investments and spread cost across a wider set of vehicles. Ability to offer a caseless variant for maximum integration flexibility.



High frequency inverter silicon carbide

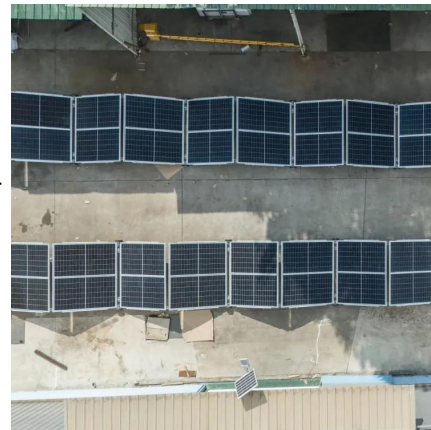


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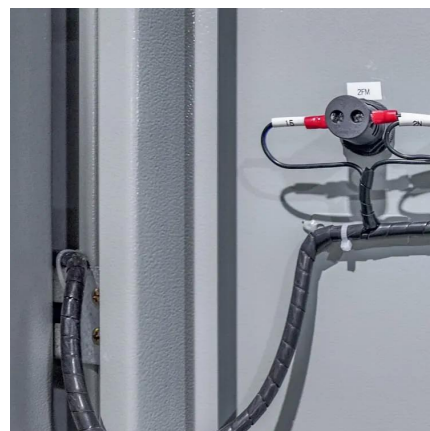
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