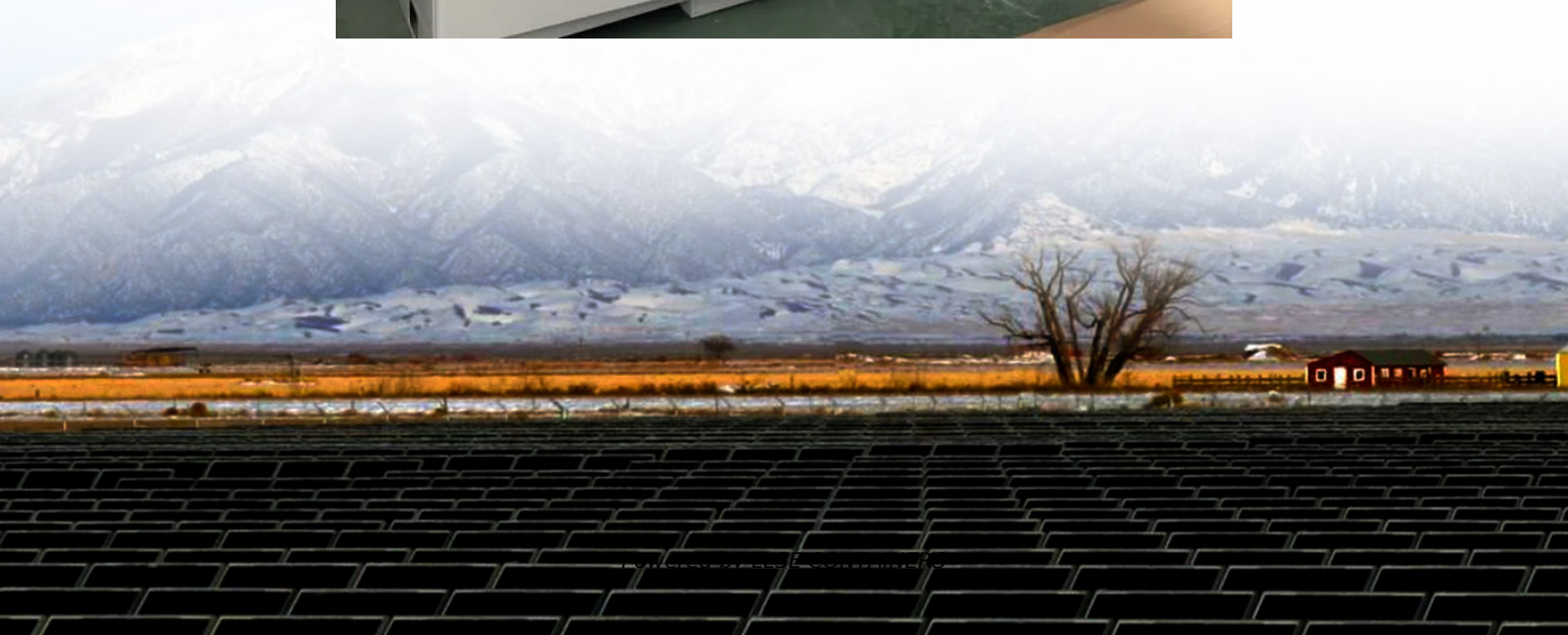


## **Inverter rated voltage 800v**





## Overview

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Can a 400V inverter be upgraded to 800V?

OEMs that are using existing 400V infrastructure have the option to use Motion Applied's inverter at 400V with the ability to upgrade it to 800V at a later date. That means an OEM can bring 800V vehicles to market while utilising the existing investment in 400V technology, spreading the cost across a wider set of vehicles.

What is a high voltage inverter?

The inverter is the brain at the heart of the powertrain, it controls the electric motor. It converts Direct Current (DC) from the battery to Alternative Current (AC) to power the electric Motor.

Does a 800 V traction inverter need a silicon carbide solution?

800 V traction inverter requires a silicon carbide solution. Intrinsically SiC material is more reliable and durable than traditional silicon IGBTs. Wolfspeed saw an opportunity to integrate advanced packaging technology into their automotive qualified YM package to deliver further enhanced system durability.

How does a Valeo 800V sic inverter work?

It converts Direct Current (DC) from the battery to Alternative Current (AC) to power the electric Motor. It can also be used in reverse mode to charge the battery by transforming kinetic energy from the vehicle into electrical energy that can be stored in the battery. What are Valeo 800V SiC inverter benefits?



## Inverter rated voltage 800v

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### [High Density Auxiliary Power Supply Using a SiC ...](#)

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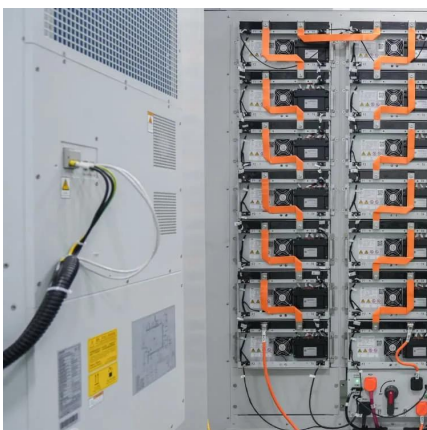
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### 800V, 500k W High Power Density SiC Traction Inverter for ...

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### SiC Power for 800V EV Traction Inverter Platforms , Wolfspeed

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### High Voltage 800V SiC Inverter , Valeo for automotive

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