

Component inverter output AC 800V





Overview

What is a 800 volt inverter?

Inverters specifically designed for a voltage of 800 V also contribute to more comfortable acceleration behavior of the vehicle in the drive system, in addition to shorter charging times. Compared to the previous generation, the 800-V inverter presented in the following delivers twice the voltage and offers 2.7 times the power density.

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?

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Who invented the 800v inverter?

The 800-V inverters for the innovative vehicle of the German manufacturer - a smaller 300-A inverter for the front-wheel drive and a 600-A inverter for the rear-wheel drive - were developed by Japanese automotive supplier Hitachi Astemo, Figure 1.

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.



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