

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.

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?

How many units can be connected to a 75 kW / 90 kVA inverter?

But that's not all: up to 6 sets of three units can be parallel connected for a 75 kW /90 kVA inverter and more than 2000 Amps charging capacity. The MultiPlus is a very powerful battery charger. It will therefore draw a lot of current from the generator or shore side supply (nearly 10 A per 5 kVA Multi at 230 VAC).

What is a 15kW AC-DC power converter?

The 15kW AC-DC power converter, with liquid cooling and galvanic isolation, has a proven track record in marine and e-vehicle charging projects. It is a reliable and efficient component for any system. Isolated AC to DC and DC to AC converters and inverters with up to 800 Vdc voltage. Suitable for electric cars and charging stations.

What is iv5 inverter?

It is a very flexible 400V solution where core structure can be shaped to adapt to customer specific mechanical constraints. IV5 is a new 800V high power inverter, developed using our formula 1 and formula E experience on SiC technologies and high power architectures. Its scalable design allows optimization of volume for application needs.

What is a silicon carbide inverter?

Our 800-Volt Silicon Carbide Inverter for Electrified Vehicles uses an innovative, double-side cooled silicon carbide (SiC) based power switch that delivers the higher power densities and efficiencies needed to extend battery range and performance, and reduce costs.

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