Powering the SiC evolution™

Silicon Carbide for Automotive

SemiQ's SiC products provide the best-in-class reliability, quality, and performance for Automotive applications. We offer 1200V MOSFETs in both module and discrete packages, designed to maximize efficiency gains.

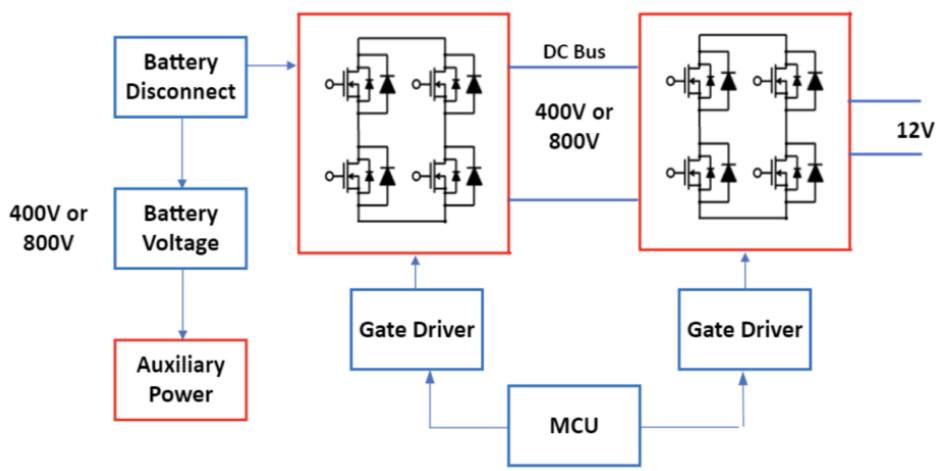
DC-DC converters are essential for maintaining the electrical systems of an electric vehicle. They ensure that all subsystems receive the proper voltage levels needed for their operation while maximizing energy efficiency and safety.

This contributes to the seamless integration of high-voltage components with the low-voltage systems in modern electric vehicles.

Benefits of SemiQ QSiC™ in Automotive

- High Efficiency
- Enhanced Reliability
- Wide Range of Voltages and Currents
- Reduced Power Dissipation
- Temperature Tolerance
- Contribution to Sustainability

Typical DC-DC Converter Schematic



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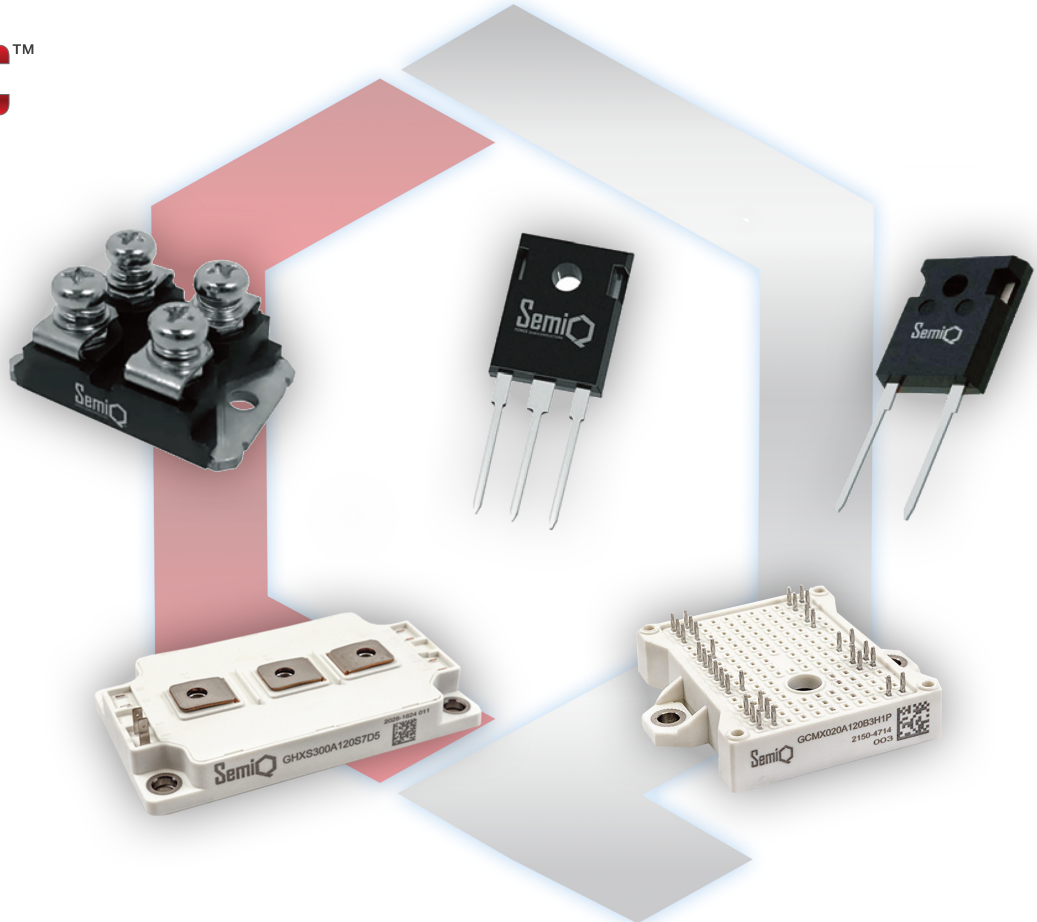
SiC™



MOUSER ELECTRONICS | DigiKey | Richardson Electronics | micross one source. one solution. | alfatec

SemiQ specializes in providing high-quality, efficient standard, and custom Silicon Carbide (SiC) Power Semiconductors for high-voltage applications. Our product portfolio includes MOSFETs and diodes, available in discrete, module and bare die that combine high-performance with industry-leading reliability.

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