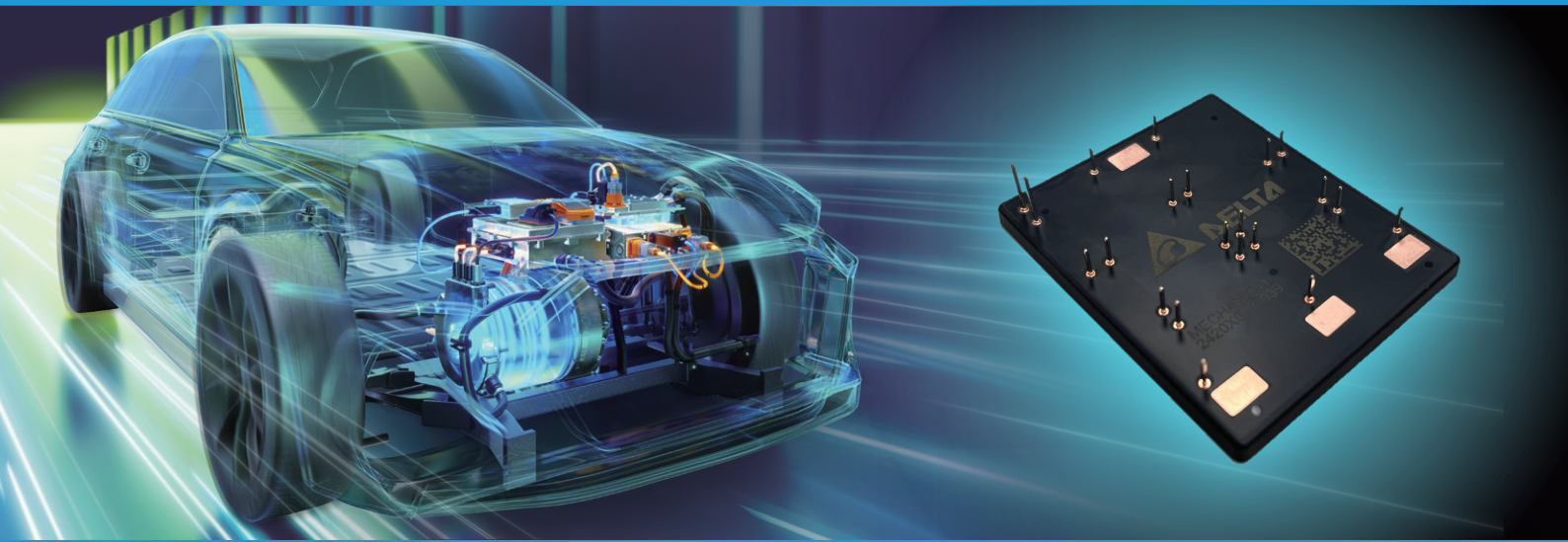


SiC Power Modules

For Traction Inverter Applications



Delta SiC modules feature high power density and high efficiency with advanced thermal management, providing improved performance with no heat dissipation concerns to build a flexible platform for hybrid SiC+IGBT modules.



High Reliability

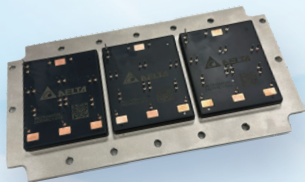
- Silver sintering for die attach
- Copper clip interconnection
- Silicon nitride substrate



Automotive AQG 324 Compliance

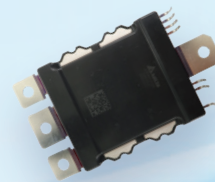
Each produced module follows strict quality testing and validation in AGQ 324 certified in-house laboratory.

3-in-1 Module with Cooling Plate



- 1,200V / 550A
- Low $R_{ds(on)}$: 2 m Ω
- Low R_{th} : 0.08 K/W
- Stray-Inductance <3.5 nH

Module with Pin-Fin Heatsink



- 1,200V / 660A
- Low $R_{ds(on)}$: 1.8 m Ω
- Low R_{th} : 0.088 K/W
- Stray-Inductance <6.5 nH



More information

Silicon Carbide Packaging Business (SCPB)

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