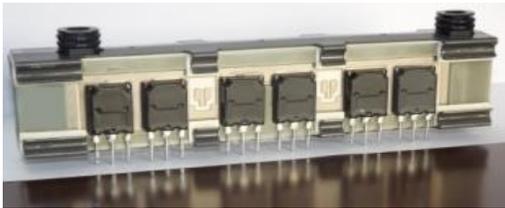


## SiC- & IGBT- Based Motor Inverters

**AC Propulsion offers both SiC- and IGBT-based inverter products. The product range includes complete inverters, inverter boards and power modules.**



### Target Markets:

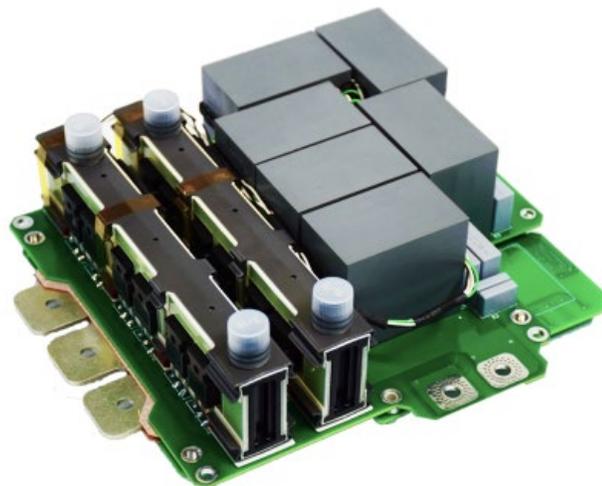
- Automotive/Light Duty: Battery-Electric Vehicles, Plug-In Hybrids, FCEVs.
- Automotive/Commercial Vehicles: Battery-Electric Vehicles, Plug-In Hybrids, FCEVs.
- Marine: Battery-powered motor applications.
- Industrial: Battery-powered motor applications.
- Aircraft: Battery-powered motor applications.

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800.348.5580  
rellpower@rell.com



### Key Advantages:

- **SiC-based high-efficiency designs already in mass production TODAY.**
- **Modular design allowing a large range of rated power.**
- **Fully compatible with regenerative motor braking.**
- **Technology & designs based on 28 years of experience with mass-produced inverters & motors.**



## SiC- & IGBT- Based Motor Inverters

### AVAILABLE INVERTER & COMPONENT CONFIGURATIONS

Product	Tech-nology	Voltage Range	Power Range	Validated Applications	Mass Production Item	Remarks
Complete Inverter	SiC	500V - 800V	130kW – 500kW	Automotive	YES	Also fits many other applications
Complete Inverter	IGBT	200V - 500V	100kW – 300kW	Automotive	YES	Also fits many other applications
Inverter Power Stage (no housing)	SiC	500V - 800V	130kW – 500kW	Automotive	YES	Also fits many other applications
Inverter Power Stage (no housing)	IGBT	200V - 500V	100kW – 300kW	Automotive	YES	Also fits many other applications
Power Module	SiC	500V – 800V	Up to 200kW	Automotive	YES	Also fits many other applications
Power Module	IGBT	200V – 500V	30kW – 160kW	Automotive	YES	Also fits many other applications

***AC Propulsion Inverters & Components come with efficiencies of 98% or higher.***

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