

Fuel cells play a strategic role in decarbonization.

RGM produces custom **DC/DC power converters for the market Leaders, setting the new industrial standard**, with SiC technology, and specifically designed for fuel cell applications.



Key Features & Benefits

- Output power from 10kW to +200kW
- Input and output voltage from 0 to 900V
- Up to 600A continuous current available on the lower voltage
- Tailored mechanical layout
- Best power density on the market
- Bidirectional mode
- Full galvanic Isolation
- Excellent efficiencies up to 98,5%
- Buck-boost option available
- Communication and remote monitoring via CAN
- Hot swap, built in pre-charge function
- Up to IP69 protection level
- Advanced cooling management: liquid, forced air, convection or heat pipe cooling

Unique System integration capabilities

- Battery management (including BMS equipped Li-Based)
- Motion control (i.e. servomotors, blowers, compressors, v/f algorithms)
- High Level Assembly
- Power supplies architectures
- Advanced I/O communication and control



50kW

Integrated High Voltage DCDC Power Converter



70 kW

DCDC Insulated DC/DC Power Converter

Want to know more? Contact us: sales@rgm.it