

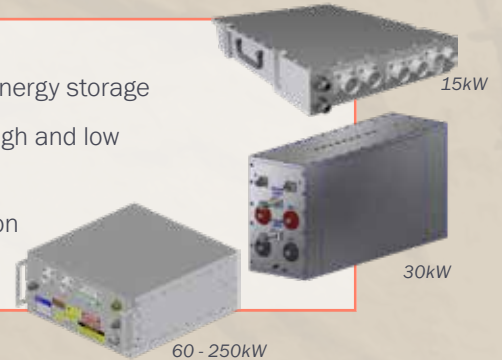
Vehicle Electrification Power Conversion Solutions

MORE INNOVATIVE. MORE RUGGED. MORE ELECTRIC.

We've combined strategic technology investment with our rich electrical power expertise to deliver the defense industry innovative, electric vehicle power conversion solutions. Our new 15kW, 30kW, and 120kW bi-directional power converters are engineered for use in hybrid and all-electric vehicle power trains and are essential for in-vehicle power distribution.

Features & Benefits

- Permits charging and use of energy storage
- Supports cross-tie between high and low voltage power buses
- Supports silent mode operation
- Supports anti-idle operation



Vehicle Electrification Power Conversion Solutions

Bi-Directional Power Conversion Configurations

Available or In Development

- 600VDC – 28VDC, 15kW
- 600VDC to Variable, 60 – 250kW
- 30 – 200kW Import/Export (600VDC-120/208VAC Inverter)
- 200kW (400kW peak) Traction Motor Inverter / Generator Controller

Uni-Directional Power Conversion Configurations

- DC-AC Inverters to Power Compressors, Fans & Pumps
- 600VDC – 28VDC, 15kW and 30kW
- 600VDC – 270VDC, 15kW

Note: 600VDC Input Converters (IAW MIL-STD-3072) can be modified to accommodate higher voltage batteries and/or battery directly on the bus.

Product Applications

Military Ground Vehicles • Heavy Industrial Vehicles • Microgrids



Vehicle Electrification Power Conversion Solutions

More Innovative. More Rugged. More Electric.

Onsite, State-of-the-Art 1.5MW High-Power Lab



Our new 7,000-square foot high-power lab in Fort Walton Beach, Fla., supports development and testing of power systems up to 1 MW and represents our commitment to providing leading electrical power solutions that excel in the harshest environments. Lab features include:

- 1.5 MW power availability
- Discrete/systems
- Three overhead power rails
 - o 277/480VAC
 - o 120/208VAC
 - o Variable voltage, variable frequency
- High power bi-directional DC sources/loads
- Static/pulsed loads
- Environmental capability
- Multiple workstations

Contact Us To Learn More

Nick Stremer

Director, Strategic Accounts

+1 313-464-6994

Nick.Stremer@craneae.com

Visit Us Learn More



www.craneae.com/electric-vehicle-solutions