

DEFENSE POWER

GROUND SYSTEMS ELECTRIFICATION SOLUTIONS

Crane A&E's 15-30kW uni-/bi-directional AC-DC and DC-DC modules deliver reliable performance in harsh military ground environments. These scalable units can be paralleled up to 250kW for custom power solutions. Our new High Power Traction Motor Inverter/Generator Controller (600VDC to 3-phase AC) provides a robust building block for military electric vehicle powertrains.



AC-DC POWER CONVERSION

- 15 and 30kW configurations
- Input power options
 - 120/208VAC 3 Phase 50-60Hz
 - 120/208VAC 3 Phase 400Hz
 - 277/480VAC 3 Phase 50-60Hz
- Output voltage options: 6-400VDC
- Output power options
 - 15-30kW per LRU
 - Parallel up to 12 converters
- Power factor >99%
- EMI Compliance w/MIL-STD-461E
- >92% efficiency



DC-DC POWER CONVERSION

- 15 and 30kW configurations
- Input power options
 - 270VDC
 - 400VDC
 - 600VDC
 - 800VDC
- Output voltage options: 6-400VDC
- Output power options
 - 15-30kW per LRU
 - Parallel up to 12 converters
- >95% efficiency
- Ruggedized designs for harsh military applications



TRACTION MOTOR INVERTER

- 250kW continuous, 400kW peak power
- Cutting-edge silicon carbide (SiC) switching technology
- Wide voltage range (300-800VDC input)
- Bi-directional design supports motoring and generating
- Ruggedized design for harsh military applications

**APPLICATIONS: VEHICLE ELECTRIFICATION
COUNTER-UAS**

**RADAR SYSTEMS
ELECTRONIC WARFARE**

**DIRECTED ENERGY
MICROGRIDS**

**MISSION CRITICAL.
CRANE POWER.**



DEFENSE POWER GROUND SYSTEMS ELECTRIFICATION SOLUTIONS

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 1MW and represents our commitment to providing leading electrical power solutions that excel in the harshest environments.

Lab features include:

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

Contact Us To Learn More

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Learn More



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