



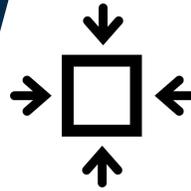
“A cornerstone of our (hydrogen) program”
-CPKC



AC Traction Inverter



Liquid Cooled



Compact Form Factor

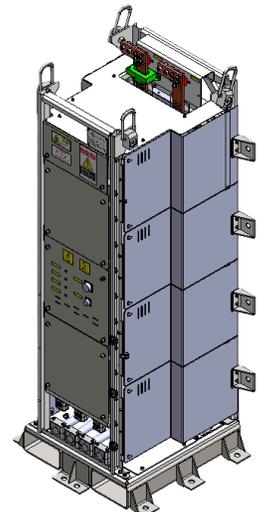


Supports DC Link up to 1500VDC



Designed for Heavy Haul Freight Rail

Integral's Traction Inverter System is the leading choice for replacement traction inverters, engineered to outperform OEM solutions and simplify installation.





AC Traction Inverter

Key Benefits

- 1500Vdc DC link interface working voltage
- Compact form factor will fit in most line haul locomotives
- Designed for the most demanding locomotive applications
- 'Filterless' output designed to work with railway AC traction motors
- Liquid cooled thermal management
- Designed for Battery, Hybrid, Hydrogen, or Diesel Power
- Integrated capacitor bank simplifies installation

- Reduce HV compartment space required by 50%*
- Seamless integration with the Integral LCC Locomotive Control Computer
- Includes Integral's Traction Control Computer (TCC) for control and communications
- Class leading warranty

*Compared with conventional catalog industrial DC/AC drive solutions

Specifications

- Operating ambient temperature: -40°C to 50°C+
- Dimensions: 28.5" (W) x 68.0"(H) x 25.8" (D)
- Shock and vibration: MIL-STD-810G
- Weight: 1130lbs
- Isolated EN50155 rated internal power supply

HV DC Link Input

- Working input voltage: 500Vdc - 1500Vdc
- Maximum input current: 700Adc
- Rated Power: 746kW @ 1000Vdc

HV AC Output

- Output frequency range: 0-200 Hz
- Max continuous operating current: 1200Arms
- Max continuous operating voltage: 1000Vrms
- Peak output current protection limit (software): 2300Apk

Control
Systems

Speed
Sensing

Power
Electronics

System
Integration

Operator
Displays

Air Brake
Integration

Design
Services

Remote
Monitoring

