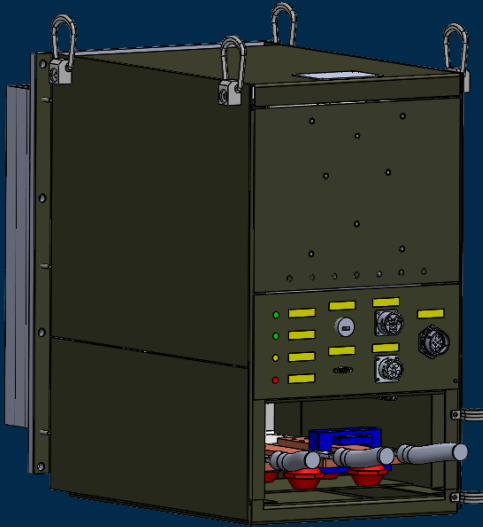


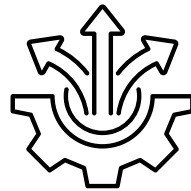


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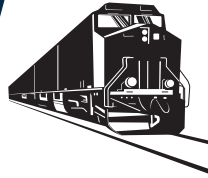
# DC Traction Chopper



**30% More  
Tractive Effort\***



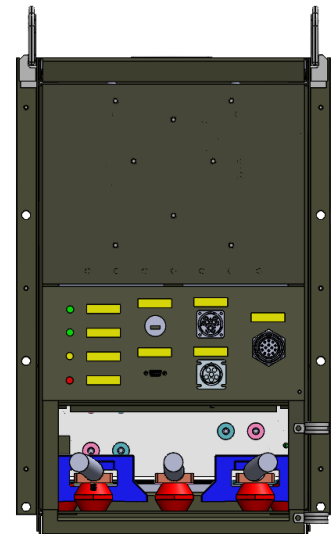
**Flexible Design**



**Designed for Heavy  
Haul Freight Rail**



Designed for Electric, hybrid, or diesel power, our compact design delivers enhanced performance and improved fleet reliability.



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# DC Traction Chopper

## Key Benefits

- Designed for Battery, Hybrid, Hydrogen, or Diesel Power
- Highest available input and output voltages in the market
- Independent Axle Control (IAC) allows for increased adhesion
- Improved reliability as a single failure can be isolated for continued operation
- Full Buck/Boost integration to allow for regenerative braking options
- Braking Grid Chopper compatible
- Compatible with EMD D77, D78, D87
- Modern, robust design for long life
- Tractive Effort improvement of over 30%\*
- Can be set up for single chopper use, one chopper per truck, or full IAC
- Seamless integration with Integral Locomotive Control Computer
- Air Cooled and Liquid Cooled options available
- On board processing control via CAN bus
- Small form factor for easy placement

\* Full IAC compared with typical dash 3 configurations

## Specifications

- Cooling: Liquid or integrated forced air
- Operating ambient temperature: -40°C to 50°C+
- Dimensions: 26.1" (W) x 26.6" (H) x 23.6" (D)
- Shock and vibration: MIL-STD-810G
- Weight: 351lbs
- Isolated EN50155 rated internal power supply

## HV DC Link Input

- Working input voltage: 500Vdc – 1500Vdc
- Maximum input current: 700Adc
- Rated Power: 655kW @ 1000Vdc

## HV DC Output

- Continuous operating current: 1650Adc
- Peak output voltage: 1500Vdc  
(limited to input working voltage supplied)

Control  
Systems

Speed  
Sensing

Power  
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System  
Integration

Operator  
Displays

Air Brake  
Integration

Design  
Services

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