



Benefits

- High power density
- Optimized traction chain losses
- Optimized weight
- Ad-hoc space saving design
- Low maintenance level

3-level technology

Technical Characteristics

- Max.Power: 2.2 MW
- Dimensions: 3,100*1,060*1,000 mm
- Multi-Voltage: 25kVac; 3kVdc; 1,5kVdc
- Auxiliary Converter Power: 360kVA
- Weight: 2,100 Kg
- Cooling: Liquid

INGETEAM has developed a new INGETRAC high power converter.

The new configuration is based on 3-Level technology Basic Power Modules and has been optimized to meet the requirements of a high speed multi-voltage vehicle. All the necessary elements have been allocated bearing in mind requirements of compactness, lightweight and the need of a robust equipment. An special effort has been placed on switching elements optimization.

All the traction chain components has been specified and validated by INGETEAM.

The traction system has been tested and fine-tuned at the INGETEAM Group's specially purposed facilities, including IEC61377 standard test, energy efficiency, route simulation, thermal characterization and noise reduction.