

KEL Electrical Machines Ltd.

(A Government of Kerala Enterprise)

Address

Bedradka Post, Kasaragod – 671124, Kerala, India

☎ : +91 4994 232316/23, 📠 : +91 4994 232316

info@keleml.com, www.keleml.com

Company Profile

KEL Electrical Machines Limited (KEL EML) is fully owned by the Government of Kerala acquiring erstwhile BHEL Electrical Machines Ltd., alongwith its Infrastructure, Product Portfolio with IPR and Human Resources, with an initial invested capital of INR 10.5 Cr.

KEL EML design, manufacture, supply, install and commission state of the art products in the rotating electrical machinery, as detailed below.

KEL EML has developed many products for Indian Railways and the rugged and reliable machines supplied are working satisfactorily in the field for decades together. KEL EML is one of the approved supplier for the Power Car DA Sets & Train Lighting Alternators to Indian Railway. The quality of KEL EML products are unmatched with its near zero downtime, and hence is in great need for Defence segment and various mini/micro hydel projects in North East India & Nepal. The Company is certified for ISO 9001 since 1997.

KEL EML DG Sets are in great demand for various institutional requirements like hospitals and Super Markets, and is the best suited for the Local Administration Bodies in Kerala.

PRODUCT PORTFOLIO

Railway Segment	Non-Railway Segment
<p>Traction Alternators</p> <p>194 KW – For Diesel Electric Tower Car 350 HP – For Railways 960 KW – for High Horse Power DEMU</p> <p>Power Cars</p> <p>500 KVA – for High Capacity Power Car 320 KVA – for Underslung Power Car 500 KVA - for Underslung Power Car</p> <p>Other applications</p> <p>25 KW Train Lighting Alternator 125 KVA - For Self Propelled Accident Relief Train 500 KVA, dual speed–For Dynamic Track Stabilizer 18.5/25 KW Auxiliary Alternator for DEMU</p>	<p>General purpose Alternators (Brushless) Ratings – 15KVA to 1500 KVA (LT)</p> <p>Diesel Generating Sets Ratings – 15 KVA to 1500 KVA (LT) (with/without Acoustic Enclosure)</p> <p>Induction Motors Ratings – 37 KW to 300 KW (LT) (TEFC, IP 55, Squirrel Cage)</p> <p>Special Purpose Alternators High Frequency Alternators (for Defence) 75/90 KVA, 400 HZ, 1500 RPM BPSV (for Indian Armed Forces) 100 KVA, 400 HZ, 1500 RPM Ground Power Unit (for Radar Applications) 20 KVA, 400 HZ, 2000 RPM (for Indian Airforce) Alternators with Special Protection Class (e.g. IP54)</p> <p>Low RPM Alternators (for Alternate Energy Applications) Marine Duty Alternators (for Vessels and Offshore Rigs)</p>

KEL EML - PRODUCT DETAILING

General Purpose Alternators

- 15 kVA to 1500 kVA
- Single/Three Phase
- Up to 750 Volts
- 50/60 Hz; 1500/1800 RPM
- Single/Double Bearing
- Compound Excitation



Special Purpose Alternators

Train Lighting Alternators

- Used for Lighting and Air Conditioning of self-generated coaches
- Ratings up to 25 kW

Auxiliary Alternators

- Inductor Type
 - Auxiliary power supply of DEMU (Diesel Electric Multiple Unit)
 - Ratings up to 25 kW
- Salient Pole Type
 - Auxiliary power supply of 4000 HP Diesel Loco
 - Rating 18kW

Power Car Alternators

- For End on Generation Power Cars
 - for Express Trains like Rajdhani, Shatabdi, Palace on Wheels, etc.
 - Ratings upto 500 kVA
- For Underslung Power Packs
 - Ratings upto 500 kVA

Marine Alternators

- Ratings upto 1000 kW

High Frequency (400 Hz) Alternators

- 2000 RPM, 24 Pole & 1500 RPM, 32 Pole
- Ratings up to 300 kVA

Low RPM (600 RPM) Alternators

- For Alternate Energy solutions
- Ratings up to 300 kVA

Traction Alternators

- 1400 HP for Diesel Electric Multiple Units
- 350 HP for Angolan / Senegal Railways
- 194 kW for Diesel Electric Tower Car
- 500 kVA for Dynamic Track Stabilizer



DG Sets

- **For Standby Power (Process Industries)**
 - Rating from 15 kVA to 1500 kVA
- **For Rolling Stock Applications**
 - Power Cars for Railways
- **For High Frequency Power Packs**
 - Mobile Defence Applications
- **For Ground Power Units**
 - For Aircrafts

Induction Motors

- High Efficiency TEFC Squirrel Cage Induction Motors for Industrial Applications
- Ratings up to 300 kW

