



IPLTECH
ELECTRIC



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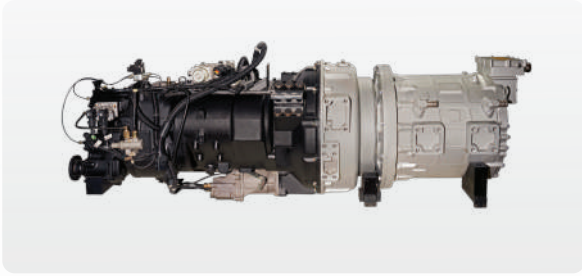


India's 1st **EV** Truck

EVolutionising The Indian Trucking Industry

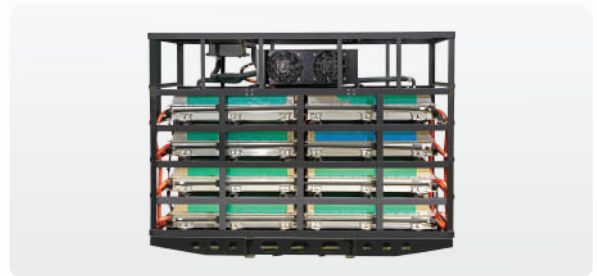


Technology & Aggregates



Motor & Gear Box

- 12-speed **AMT** (Automated Manual Transmission)
- Peak Power - **360 HP** & Peak Torque - **2400 Nm**
- PMSM - Permanent Magnet Synchronous Motor (Best in class)



Battery Assembly

- **258 kWh LFP** (Lithium Iron Phosphate) battery



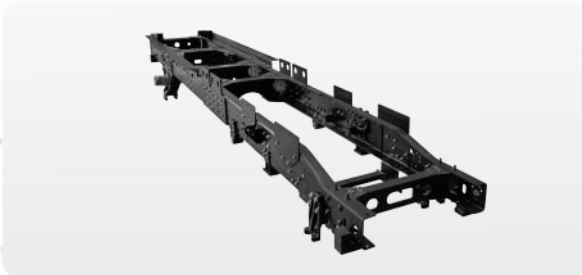
Motor Control Unit (MCU)

- MCU is power convertor from DC to AC



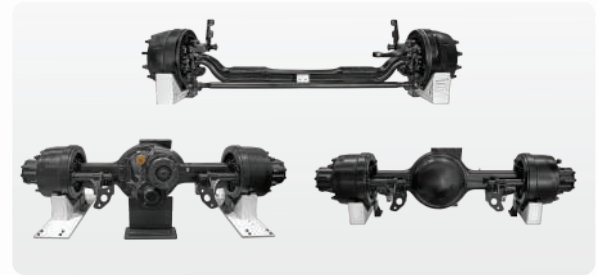
Power Distribution Unit (PDU)

- PDU supplies the battery power to other control units.



Chassis Frame

- Strong reliable, **3 layer** chassis



Front & Rear Axles

- Heavy Duty **Proven & Reliable Meritor** axles



Suspension

- Front - **Parabolic** leaf springs
- Rear - Heavy Duty **Tata Hendrickson** bogie suspension
- Strong & reliable suspension



Gradeability

- Gradeability of 28%

Technical Specification

GCW (Gross Combination Weight)	55000 kg
Motor	PMSM - Permanent Magnet Synchronous Motor (Best in class)
Battery	258 kWh LFP (Lithium Iron Phosphate)
Maximum Power	360 HP @1200 r/min
Maximum Torque	2400 Nm @600 r/min
Clutch	430 mm dia dry friction
Front Axle	Meritor - 7T Heavy Duty Forging Type
Rear Axle	Meritor - 21T SRT Tandem Axle
Suspension	Front - Parabolic Leaf Spring, Rear - Tata Hendrickson Bogie Suspension
Chassis frame	Conventional type, heavy duty 3 layer chassis frame (285 mm × 65 mm × 7 mm)
Transmission	12 Speed AMT (Automated Manual Transmission)
Cab/Cowl	Sleeper Cabin
Tyres	295/90 R20 Radial Tube Tyres
Wheelbase	3850 mm
Charging	90 mins (State of charge 20 to 100% Charging)
Range	185 km (single charge) Under Standard test conditions. One side load, One side empty.



Our Industry Partners



Contact Us

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