



**IPLTECH**  
— ELECTRIC —

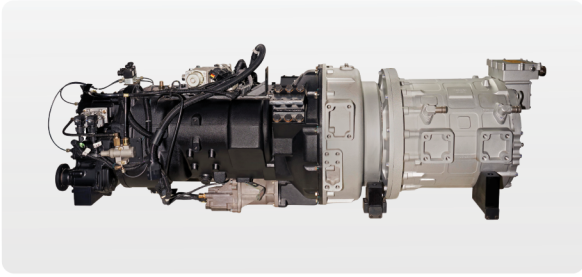


# India's 1<sup>st</sup> EV Truck

EVolutionising The Indian Trucking Industry

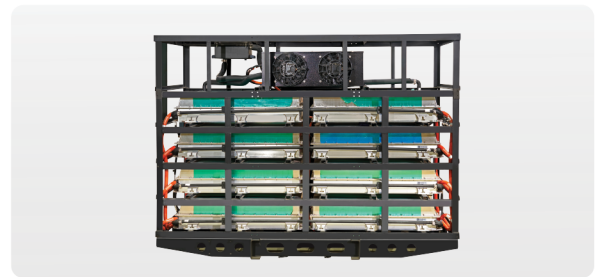


# Technology & Aggregates



## 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
- **IP 67** Rating



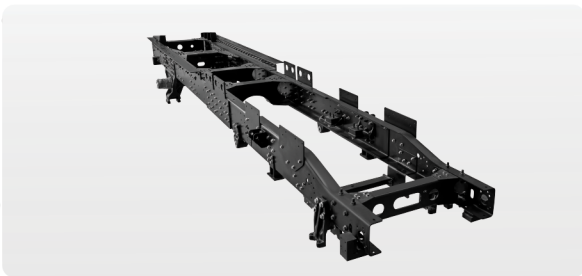
## Motor Control Unit (MCU)

- 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



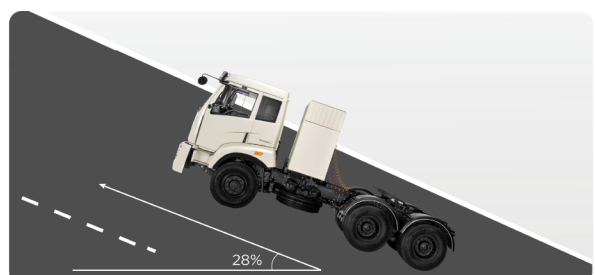
## Front & Rear Axles

- 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

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



# Our Industry Partners



*Our manufacturing plant*



## Contact Us

**IPLTech Electric Pvt. Ltd.** ( A **Murugappa Group** EV venture & a subsidiary of TI Clean Mobility Pvt. Ltd.)  
HSIIDC Plot No. 2, Sector M-11, Transport HUB,  
IMT Manesar, Gurugram, Haryana 122052

[contactus@iplt.murugappa.com](mailto:contactus@iplt.murugappa.com)

[www.ipltelectric.com](http://www.ipltelectric.com)

