

Safer. Smarter. Greener.   
Introducing Tata Motors range of EV buses.



Perfect for Fleet Owners,  
Operators, and Corporates



Zero Emission



Cleaner Environment

# INTRODUCTION

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## Welcome aboard!

For decades, TATA Motors has been a leader in innovation and advanced technology on country roads. We focus on adding value for fleet owners and ensuring comfort for passengers and drivers. Our new electric buses feature sleek designs and maximum comfort, helping you achieve your sustainability goals for a better future.



# AGGREGATES



## L-ion Battery

- Efficient energy storage and rapid charging capability.
- Certified for sustainability, safety & ease of maintenance.



## Propulsion

- Built to overcome aerodynamic drag, rolling resistance drag & kinetic resistance.



## Powertrain

- Well synchronized driveline for enhanced performance.
- Synchronous traction motor for high torque and power.



## Regenerative Braking

- Regenerative braking for higher efficiency.
- Reduced wear of conventional brakes.



## High Voltage Cable Connectors

- Safeguard for ensuring security & dependability of energy transfer.



## Bus Body

- In-house expertise in bodybuilding, 1 lakh+ Starbuses on road.



## KEY FEATURES



Full Electric Drivetrain with zero emission for clean air.



Fatigue-free driving without a clutch and gear shifting.



Roomy interiors that can be customised as per applications and regulations.



High safety and security with provision for an Intelligent Transport System (ITS).



Provision for new-generation telematics for efficient and user-friendly vehicle maintenance and tracking.



Provision for a passenger information system with destination boards and audio announcements.



Utility provisions like charging points and a Wi-Fi hotspot for on-the-go connectivity.



# OUR COMMITMENT TO SAFETY

## ELECTRIC & THERMAL SAFETY



Continuous monitoring of electrical systems for insulation.



Liquid cooling of battery & traction systems.



Intelligent safety logic based operation, monitoring temperature, load & charge.



Real-time alerts on electrical system functioning.



Fire detection & alarm system.



## PASSENGER SAFETY



Safety ramp for specially abled citizens



Air suspension for protection from bumps on the road.



2 way communication and security cameras.



Safety standards training & monitoring of drivers & technicians.



Panic and top buttons.

# OUR PRODUCT SPECIFICATIONS


**Tata Ultra**  
9/9 EV

**Tata Starbus**  
4/12 EV

**Tata Starbus**  
9/12 EV



| Specifications                        | Ultra 9/9 EV                                     | Starbus 9/12 EV                                  | Starbus 4/12 EV                                  |
|---------------------------------------|--|--|--|
| <b>GVW</b>                            | 11500 kg   | 19500 kg   | 19500 kg   |
| <b>Overall Dimensions</b>             |  |  |  |
| Wheel Base                            | 4920 mm  | 6200 mm  | 6300 mm  |
| Front Overhang                        | 1800 mm  | 2370 mm  | 2399 mm  |
| Rear Overhang                         | 2480 mm  | 3165 mm  | 3055 mm  |
| Overall Height                        | 3230 mm + 50 mm                                  | 3500 + 50 mm                                     | 3400 + 50 mm                                     |
| Overall Length                        | 9200 mm + 50 mm                                  | 12000 mm + 50 mm                                 | 12050 + 50 mm                                    |
| Floor Height                          | 900 mm   | 900 mm   | 400 mm   |
| Overall Width                         | 2340 mm (without mirrors)                        | 2600 mm (without mirrors)                        | 2600 mm (without mirrors)                        |
| Passenger Door                        | 1 or 2 as per requirement                        | 1 or 2 as per requirement                        | 2 or 3 as per requirement                        |
| Turning Circle Diameter               | 15.9 m   | 19.5 m   | 19.7 m   |
| LV System Voltage                     | 24 V   | 24 V   | 24 V   |
| Tyres                                 | 245/70 R17.5 7 nos.                              | 295/80 R 22.5 7 nos.                             | 295/80 R22.7 nos.                                |
| Brakes                                | Front Disc and Rear Drum                         | Disc   | Disc   |
| Suspension                            | Air Suspension                                   | Air Suspension                                   | Air Suspension                                   |
| Steering                              | Integral Hydraulic Power Assisted                | Integral Hydraulic Power Assisted                | Integral Hydraulic Power Assisted                |
| <b>HV System Specifications</b>       |  |  |  |
| Traction Motor Peak Power             | 215 kW   | 245 kW   | 245 kW   |
| Traction Motor Continuous Power       | 145 kW   | 145 kW   | 145 kW   |
| Traction Motor Peak Torque            | 2200 Nm  | 2950 Nm  | 2950 Nm  |
| Traction Motor Continuous Torque      | 1273 Nm  | 1055 Nm  | 1145 Nm  |
| HV Battery                            | 657 V DC   | 657 V DC   | 657 V DC   |
| Battery Energy                        | 200 kWh  | 300/400 kWh                                      | 400 kWh  |
| Transmission                          | Direct Drive                                     | Direct Drive                                     | Direct Drive                                     |
| Charger                               | Off Board Charging, CCS 2 Charging Standard      | Off Board Charging, CCS 2 Charging Standard      | Off Board Charging, CCS 2 Charging Standard      |
| <b>Performance Specifications</b>     |  |  |  |
| Gradeability                          | 18%  | 17%  | 17%  |
| Acceleration                          | As per CMVR                                      | As per CMVR                                      | As per CMVR                                      |
| Max Speed                             | 75 kmph  | 70 kmph  | 70 kmph  |
| Seating capacity                      | 34/31/23   | 37   | 35+ Wheel Chair, 17+ 2 Wheel Chairs              |
| Seating Layout                        | 2x2, 2x1   | 2x2  | 2x2  |
| Seat Type                             | High Head Rest/Hi Back Reclining/Push Back Seats | High Head Rest/Hi Back Reclining/Push Back Seats | High Head Rest/Hi Back Reclining/Push Back Seats |
| Regulatory Requirements / Compliances | AIS - 052, FAME, CMVR                            | AIS - 052, FAME, CMVR                            | AIS - 052, FAME, CMVR                            |

The image features a city skyline at sunset, with several skyscrapers silhouetted against a warm, orange and yellow sky. In the foreground, there is a dense line of green trees and bushes. A road with a white and yellow line runs along the bottom of the frame. The Tata Motors logo and contact information are overlaid on the left side of the image.

**TATA MOTORS**  
Connecting Aspirations

**Tata Motors**

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