

Tata Ace EV

The Tata Ace has been the most successful commercial vehicle in India and provides livelihood to 24 lakh happy customers over the past 17 years. The Tata Ace EV, featuring the EVOGEN powertrain, offers committed on-time delivery, zero-emission solution for the urban cargo transportation. With a certified range of 154km on a single charge and a cargo volume of 208 ft³, the Ace EV is a technologically-advanced electric commercial vehicle aimed at offering holistic solutions to e-commerce companies for sustainable intra-city transportation. It offers features like telematics (Fleet Edge), liquid cooling system for battery, aerodynamic, light-weight load body and regenerative braking to redefine sustainable mobility and safe operations. The Ace EV offers fast charging capabilities to ensure highest run time.

USPs:

- Certified range of 154km on single charge
- Highest gradeability of 22%
- Advanced battery cooling system for safe operations, IP 67 rated water and dust proof drive parts
- Higher load per trip: Overall weight management through fully-built body
- TCO benefits with 5 year+ battery life, robust energy management system, all weather protection
- Highest uptime in the segment with support from Tata Motors' dedicated service support and value-added services
- Charging infrastructure solution for easy and safe charging
- Connectivity solutions – live monitoring of vehicles through dedicated command centre for service support

Applications: E-commerce intra-city, waste management

Technical Specifications:

Dimensions	
Load body	
Type	Light weight container with hinged rear tailgate
Inner Dimensions	2163 x 1475 x 1847 mm
Inner Loading Space	208 ft ³
Body	
Length	3800 mm
Width	1500 mm
Height	2635 mm (unladen)
Wheelbase	2100 mm
Min Turning Radius	4300 mm
Ground Clearance	160 mm

Weight & Performance	
Gross Vehicle Weight	1840 kg
Payload	600 kg

Transmission, Suspension & Steering	
Transmission	Single speed gearbox, clutch free, rear-wheel drive
Suspension	Rigid front & rear suspension with leaf springs
Tyres	155 R13 LT 8PR
Steering	Mechanical, variable ratio

for immediate use

PRODUCT NOTE

Battery and Motor Performance	
Battery Chemistry	Lithium Ion Iron phosphate (LFP)
IP Rating	IP 67 – All drive parts
Battery energy capacity	21.3kWh
Nominal Voltage	93V
Traction motor	AC Induction motor
Max. Torque	130Nm
Max. Motor Output	27kW (36bhp)
Certified Range in Single Charge	154km
Regenerative braking	While braking, coasting & downhill
Aero Deflector	To reduce drag resistance & improve range

Charging	
Charging Modes	Fast & regular charging
Charging port	Two separate ports for fast & regular charging
Fast charging time	105 min (10% to 80%)
Regular Charging time	6-7 hours (20% to 100%)
On-board charger	Home plug solution with 15A socket
	On-board charging gun provided