

for immediate use

PRODUCT NOTE

Tata Prima E.55S

The Tata Prima E.55S represents a major leap forward in clean, future-ready freight movement, engineered specifically for high-duty distribution applications with its indigenous e-axle drive and modular, high-capacity 453 kWh battery pack. Delivering an impressive range of up to 350 km, the tractor combines advanced energy-regeneration technology, industry-first indigenous e-axle innovation, and superior drivability to deliver exceptional efficiency and performance across diverse haulage conditions. Equipped with India specific advanced ADAS capabilities, state-of-the-art regenerative braking, robust safety systems, and the premium Prima cabin, the E.55S ensures a reliable, powerful, and environmentally responsible mobility solution. With fast-charging capability, lower operating expenses, and optimized range performance, the Prima E.55S sets a new benchmark for electric long-haul transport across steel, port operations, cement, containers, FMCG, and industrial goods.

Key Features

- Industry-first indigenous e-axle, compactly engineered for higher battery packaging, superior torque delivery, and enhanced performance in high-tonnage distribution applications.
- Advanced regenerative braking with Electronic Brake System (EBS) enabling maximized energy recuperation, improved range efficiency, and superior control during braking
- ADAS with 9 safety-enhancing features including AEBS, LKAS, LDWS, FCW, BSIS, MOIS, Turn Assist, and TSI for advanced driver assistance and improved on-road safety.
- Fast-charging capability in as little as 1.5 hours with CCS2 dual-gun charging, ensuring minimal downtime, higher utilization, and seamless adoption in long-haul or multi-shift operations.
- Pneumatic Suspended Seat with ELR seat belts
- Next gen e mirror, power window, central locking

Applications: Steel, Cement, Port, Container, FMCG, Industrial Goods

Technical specifications

Parameter	Description
GVW (kg)	55000
Traction Motor	HV 2500/6 Phase
Motor	Max torque- 2455 Nm & Max Power- 470kW
Battery Pack	Lithium Ion - 453Kwh (Energy Efficient Battery Pack)
Suspension	Front - Parabolic leaf spring Rear – Bell Crank Suspension
Transmission type	E-Axle Drive, 4X2, RWD
Tyres	295/90 R20
Brakes	EBS system with regeneration. Optional 1: Drum, Option 2: Disc
Range	Upto 350 km
Gradeability	28%