

VOLVO

Customer Case Study

VOLVO FM ELECTRIC



TESCO

Volvo Trucks has supplied Tesco with a new Volvo FM Electric 4x2 tractor unit to support the customer's commitment to achieving net zero carbon emissions by 2035.

The truck's arrival marked the first zero tailpipe emission 40-tonne electric Volvo model to be delivered into service with a UK supermarket.

STATISTICS:

- Annual driving distance – 70,000 miles
- Equipped with six batteries, it offers a range of approx. 300km
- Average charging time of 2.5 hours, with a 250kW DC charger, or 9.5 hours on a 43 kW AC charger
- Powered by three electrical motors, generating 2,400 Nm of continuous torque.

“The arrival of this fully electric 40-tonne Volvo tractor unit is a first for Tesco and another exciting milestone for our delivery fleet, which directly supports our ambitious sustainability targets.”

CLIFF SMITH, TESCO FLEET ENGINEERING MANAGER

Volvo Trucks. Driving Progress

V O L V O



All bases covered

The new FM Electric with Globetrotter cab meets the Direct Vision Standard three-star rating and will operate with various trailer types and lengths. It will be used to deliver goods to stores across Greater London, Suffolk, Essex and Kent, hauling ambient grocery items seven days a week.

Christian Coolsaet, Managing Director of Volvo Trucks UK & Ireland, says: "Our new Volvo FM Electric is the perfect solution for performing high-capacity grocery deliveries with less environmental impact, and it's fantastic to see the first example enter service with Tesco. This model is ideal for supermarket fleets wanting to transition to battery electric trucks, and we're very confident it's going to generate a lot of interest on the road."

Supreme driving experience

The FM Electric is powered by three electrical motors, generating 2,400 Nm of continuous torque. These motors are paired with Volvo's popular I-Shift gearbox, which delivers a smooth and ultra-quiet driving experience by constantly evaluating information about speed, weight, road grade and torque demand.

This power is intuitively managed by an onboard electromobility traction control system which helps manage output on slippery surfaces, while different drive modes are available to set the desired performance, comfort, and energy usage levels.

The ideal sustainable solution

Cliff Smith, Tesco Fleet Engineering Manager, says: "We don't allocate vehicles to specific routes, so it is imperative any new truck can immediately slot into our workflow and tackle any assignment effectively. We're confident the FM Electric will do just that, making a seamless transition into our day-to-day operations."

The truck is backed with a comprehensive five-year Volvo Gold Contract covering all maintenance and repairs, and including proactive monitoring of batteries and associated components, to guarantee Tesco maximum uptime.

Smith adds: "It's without doubt the cleanest, greenest and quietest tractor unit we have on the fleet, and it comes backed by a whole suite of connected services to make the transition to electric vehicles easier, including live positioning with real-time energy status."

