

F-LINE

HIGHLIGHTS



Sharing the load

Powerful by Design. Electric by Nature.

Ford Trucks F-LINE E is engineered to deliver the strength, intelligence, and efficiency modern transport operations demand. Combining zero-emission driving with proven commercial capability, it brings together powerful performance, smart energy management, and business - focused productivity in one advanced electric truck platform.

Lower Total Cost of Ownership

Electric mobility is not only about sustainability - it is also about smarter business. By reducing energy and maintenance costs compared with conventional diesel vehicles, F-LINE E helps fleets lower total cost of ownership while improving long-term operational efficiency.

Zero-Emission Advantages

As a zero-emission vehicle, F-LINE E can offer strategic advantages depending on local market regulations, including access to restricted urban zones and potential cost-saving policy benefits that support more efficient operations.

Extended Range for Real Operations

Designed for demanding transport missions, F-LINE E offers a driving range of up to 300 km under full-load conditions. Actual range may vary depending on payload, driving style, route profile, traffic, and ambient temperature. With battery capacity of up to 392 kWh and range calculation, operators gain the confidence to plan routes more efficiently and extend daily operations through opportunity charging.

Fast Charging, Maximum Uptime

Time is money in transport operations. That is why F-LINE E supports high-power DC CCS2 fast charging of up to 285 kW on 6x2 models and up to 213 kW on 4x2 models. Under optimal conditions, the battery can be charged from 20% to 80% in less than 50 minutes, helping fleets minimize downtime and keep vehicles moving.

Built for Heavy-Duty Performance

F-LINE E combines electric efficiency with serious commercial capability. The 4x2 version offers up to 19 tons technical capacity, while the 6x2 version reaches up to 27 tons, enabling operators to handle demanding applications with confidence.

High-Performance eDrive Technology

At the heart of F-LINE E is an advanced electric drivetrain delivering continuous power from 235kW to 310 kW and peak power of up to 390 kW. The integrated automated 3-speed transmission ensures smooth, responsive, and efficient power delivery across a wide range of operating conditions.

Instant Torque, Immediate Response

Electric performance means no waiting for power. With up to 2,470 Nm peak torque available from low speeds, F-LINE E provides strong launch performance, confident hill-climbing ability, and dependable heavy-duty response. Its intelligent power-shifting strategy helps maintain seamless traction and continuous pulling power during gear changes.



Advanced 800 V Electrical Architecture

The 800 V electrical architecture is a key enabler of the F-LINE E experience, supporting faster charging, high power transfer capability, reduced cable size, and potential weight optimization.

Advanced Battery Technology

The NMC battery system delivers high energy density, long service life, compact packaging, and strong safety performance - helping F-LINE E combine range, durability, and practicality in one advanced electric solution.

Regenerative Braking That Works for Your Business

F-LINE E is designed to recover energy where conventional vehicles waste it. Its regenerative braking system captures kinetic energy during deceleration and returns it to the battery, helping improve range by 10% to 20% depending on operating conditions. This is especially valuable in stop-and-go applications such as urban distribution. With five selectable regeneration levels, drivers can tailor braking feel for greater comfort and control.

One-Pedal Driving for Higher Efficiency

One-pedal driving enhances both driver comfort and operating efficiency. Adaptable to different road and load conditions, it helps reduce mechanical brake usage, extend brake system life, and support more efficient energy use throughout the route.

Eco Roll for Smarter Energy Use

Eco Roll allows the vehicle to use its momentum more effectively by temporarily reducing drivetrain resistance when propulsion is not required. The result is lower energy consumption and improved range, especially on gentle declines and constant-speed roads.

Drive Mode Flexibility

Whether the priority is efficiency or performance, F-LINE E adapts to the task. Drivers can select Eco, Normal, or Power mode to match operating conditions and achieve the right balance between energy consumption and dynamic response.

Quiet Power for Urban Operations

The quiet electric powertrain creates a more refined driving experience and makes F-LINE E especially well suited for urban routes, residential zones, and night-time operations where low noise can be a major advantage.

Precision at Low Speed

F-LINE E is designed to make every maneuver easier. Creep Mode enables smooth and controlled low-speed movement without accelerator input, making docking, parking, and tight maneuvering more effortless. Maneuvering Mode further enhances control below 7 km/h with optimized pedal response for better precision in confined spaces.



↗ Connected, Intelligent, Fleet-Ready

F-LINE E is equipped with advanced connectivity and an intuitive infotainment interface to create a seamless in-cab experience. Intelligent fleet functions allow operators to guide driving behavior, optimize charging strategy, and encourage efficient vehicle use — helping improve both profitability and operational control.

↗ Intelligent Thermal Management

An advanced thermal management system keeps the battery and power electronics within their ideal operating temperature range, supporting consistent performance, charging efficiency, and long-term durability in all conditions with smart valve & pump and layout capabilities.

↗ Cold-Weather Readiness

Smart battery thermal control helps protect the battery in low temperatures by preventing overcooling and reducing aging effects. The system can also automatically wake the vehicle and warm the batteries when needed, helping provide a true ready-to-drive experience even in cold weather.

↗ Charging Strategy on Your Terms

F-LINE E offers flexible charging modes, allowing operators to choose between fast charging for maximum uptime or battery-life-focused charging for long-term optimization.

↗ Customizable State of Charge Management

Drivers can set preferred State of Charge thresholds directly through the multimedia interface, supporting more tailored charging strategies based on route and operating needs.

↗ Programmable Pre-Conditioning

Battery temperature can be prepared in advance for improved performance and optimized charging efficiency before the vehicle begins its route.

↗ Battery Health You Can Monitor

Real-time battery health monitoring gives operators greater visibility, confidence, and peace of mind by supporting long-term performance management.

↗ Smart Low-Voltage Battery Support

An intelligent energy management system continuously monitors the 24 V battery. When required, the high-voltage system automatically supports the low-voltage battery, helping ensure vehicle readiness and dependable operation.



Flexible for Different Applications

With 4x2 and 6x2 configurations and wheelbase options ranging from 4,250 mm to 6,550 mm, F-LINE E is built to adapt to a broad range of applications. This flexibility makes it a strong solution for diverse operational needs, including urban distribution and specialized body installations.

Electromechanical PTO Capability

F-LINE E supports a wide range of vocational applications through its electromechanical Power Take-Off system, making it suitable for equipment such as garbage compactors, water tanks, and other auxiliary systems.

Reliable Power for Auxiliary Equipment

The high-voltage power distribution system can supply reliable energy to auxiliary equipment such as refrigeration and cooling units, helping broaden the vehicle & application potential.

Aerodynamics That Support Efficiency

Its specially designed front grille contributes to improved aerodynamic performance, helping reduce energy consumption and support greater driving efficiency.

Proven Durability in Extreme Conditions

F-LINE E is developed to perform in challenging environments, from the cold of Scandinavia to the heat of the Gulf region. Extensive durability testing of the structure and powertrain ensures dependable performance in real-world commercial conditions.

Practical Recovery Support

Towing Mode is designed to simplify recovery operations by allowing the vehicle to be towed without disconnecting the driveshaft or lifting the front axle.

Long-Term Battery Warranty

To ensure long-term operational confidence, the F-LINE E battery system is backed by a comprehensive warranty of 8 years, 400,000km, or energy throughput limits of 570 MWh for 4x2 models and 760 MWh for 6x2 models (whichever comes first), protecting your most valuable asset.

Extended Vehicle Warranty & Service Contracts

F-LINE E offers a 2-year standard vehicle warranty with extended coverage options available up to 8 years. You can also choose Base & Full Maintenance contracts for up to 8 years to keep your fleet running smoothly and make maintenance costs highly predictable.

