

# CUSTOMER INFORMATION PACK



## F-150 LIGHTNING PRO

## Specifications

### Drivetrain/Motor

	Standard Range	Extended Range
<b>Drivetrain</b>	eMotor, 4WD	
<b>Motor</b>	Dual permanent magnet AC	
<b>Peak Power</b>	337 kW	433 kW
<b>Peak Torque</b>	1,050 Nm	

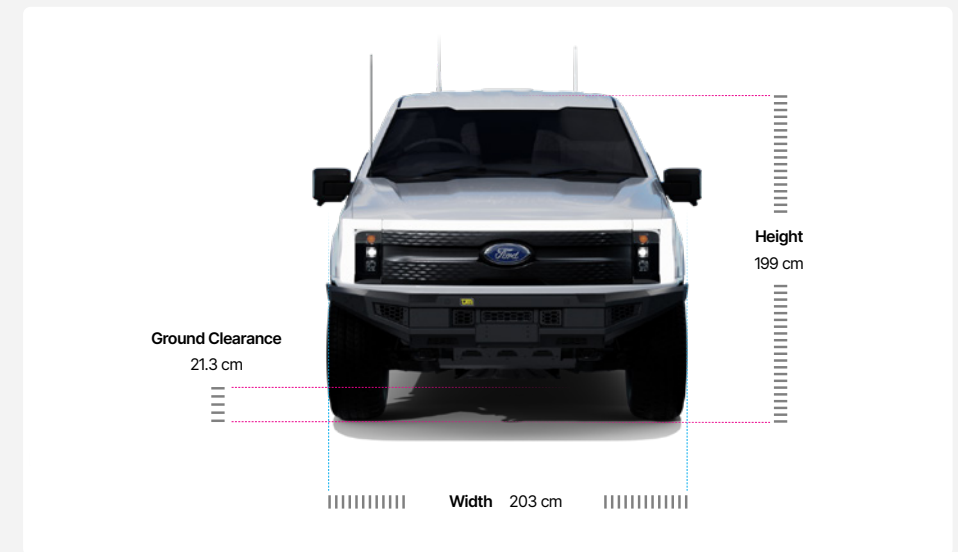
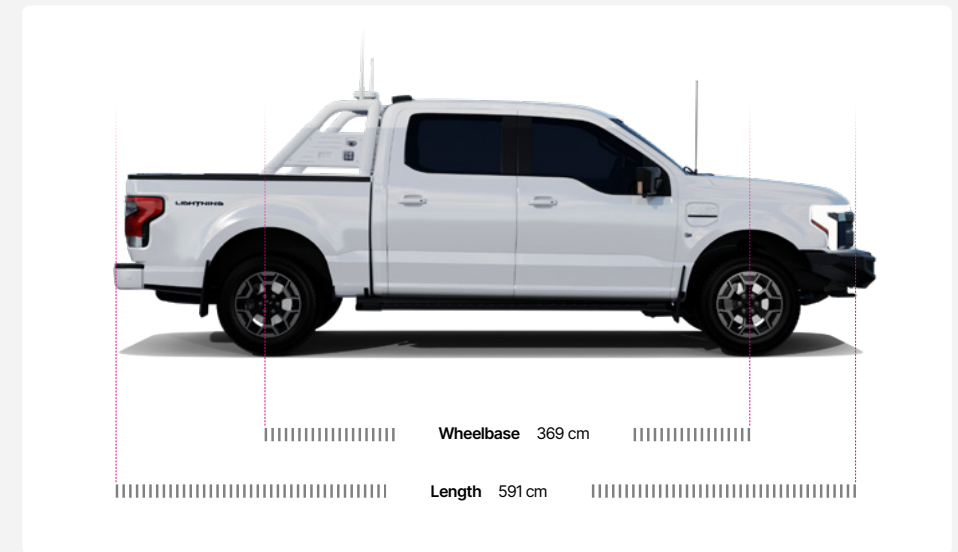
### Battery

	Standard Range	Extended Range
<b>Battery Capacity</b>	98 kWh	131 kWh
<b>Battery Cell</b>	Lithium-ion NMC pouch	
<b>Charger Type</b>	CCS2	
<b>Charging</b>	Up to 150 kW	
<b>Battery Cooling</b>	Liquid	

### Capability

	Standard Range	Extended Range
<b>Estimated Range</b>	386 km	515 km
<b>Maximum Payload</b>	1 tonne	1 tonne
<b>Standard Towing</b>	2,500 kg	4,500 kg
<b>GVM</b>	3,787 kg	3,878 kg

## Dimensions



## Features

### Interior

Dual zone climate control

Heated front seats - vinyl

12-inch digital screen

Power windows front and rear

Black floor covering - vinyl

### Exterior

Headlamps - LED Projector

Powered side mirrors

Power up/down frunk - 400 L

18-inch alloy wheels

### Functional

Independent rear suspension

One-pedal driving mode

Rear locking axle

Modes - normal, tow/haul, off-road

### Safety

5-star NCAP rating

Post-collision braking

Ford AdvanceTrac® with Roll Stability Control

Automatic high beams

Airbags - front, driver, and passenger

Headlamps - automatic on/off

Airbags - side curtains

Wiper activated headlamps

Pre-collision assist with AEB

Auto hold

Tyre pressure monitoring system (TPMS)

Cruise control

Lane keep system

Seat belts - Active Restraint System (ARS)

Auto handbrake park

Seat belts - three-point manual lap/shoulder belts with height adjusters

Reverse sensors

Rear view camera





## Driver Fatigue and IVMS

Our vehicles can be equipped with driver fatigue and in-vehicle monitoring systems, providing peace of mind for every journey.

### Driver Fatigue Systems

- Our vehicles can be fitted with Guardian Seeing Machines, an industry-leading driver fatigue, distraction and accident prevention solution.
- Our system is monitored 24/7, sending out alerts of fatigue events within seconds, ensuring prompt action for driver safety.

### Comprehensive In-Vehicle Monitoring Systems

- In addition to driver fatigue systems, we can supply In-Vehicle Monitoring Systems (IVMS) to enhance driver safety and improve fleet management.
- Gain complete visibility over your fleet, including driver behaviour, identity, speed zones and real-time location tracking.
- Receive detailed monthly/weekly reports and administrative logins for ease of use, ensuring your team stays informed and in control.

## Durability Testing and Assessment Program

AUSEV completed an Accelerated Durability Testing and Assessment Program for the F-150 Lightning, focusing on its durability, safety, and performance in harsh environments. This program involved a mix of static, simulated, and real-world tests to replicate years of use in a condensed timeframe, validating the vehicle's capabilities.

Leveraging extensive experience in OEM vehicle and equipment validation, the team used advanced tools and testing facilities, including the NSW Future Mobility Testing Facility, Lang Lang Proving Ground, Lakeside Raceway, Vinfast Engineering Australia, and the Anglesea Automotive Research Centre.

### Dynamic Testing

Advanced durability roads	Unsealed and second-class road testing	Site drive cycle
Handbrake and decline testing	Ride and handling evaluation	Towing evaluation
Range testing	Off-road evaluation	Emergency performance
Dust and water penetration	Power performance and coast down measurements	

### Static Testing

Heat mapping of surface operations	Mass and dimensional measurements
Functional safety reviews	ADR compliance review
HVAC benchmarking	Field of view
3D scanning	MDG15 compliance

### Future Mobility Testing Facility

Measure vehicle performance detail

Complete emergency brake, swerve, and object detection

Complete low and high-speed highway handling

### Lang Lang Proving Ground

Accelerated durability will be testing completed on location

Test vehicle in low grip surface performance

Targeted 4x4 driving scenario testing, hill reverse tuck and swerve, 4x4 capability and limitations, ramp over, approach angles, etc.

**Detailed results are available to customers upon request.**

## Risk Management

With almost 40 years of experience in fleet, including mining, construction, quarrying, agriculture and transport combined with in-depth experience in electric vehicle programs, GB Electric Vehicles have a site Risk Assessment available for our customers. Participation in customer Risk Assessment processes is also available.

### Areas of Focus

High-voltage electrical safety	Emergency response manual
Fire safety	Operator training
Pre-start	Vehicle charging
Vehicle maintenance	Vehicle towing
Vehicle interactions	Vehicle operation
Operators Manual	



## Fleet Solutions

### Servicing

A key benefit of electric vehicles is the substantial reduction in parts, labour, and downtime costs relating to scheduled maintenance. Your Lightning is only required to be inspected every 16,000 kilometres.

#### Scheduled Visual Inspections<sup>1</sup>

<b>Every 12 months or 16,000 km</b>	Inspect the brake pads, rotors, hoses, and the parking brake.
	Inspect the cooling system coolant level.
	Inspect the half-shaft boots.
	Inspect the steering linkage, ball joints, suspension, and tie-rod ends.
	Inspect the wheels and related components for abnormal noise, wear, looseness, or drag.
	Inspect the tyres for abnormal wear.
	Inspect cabin filter and replace as required (recommended 32,000 km).

#### Maintenance Items<sup>2</sup>

<b>Every 3 years</b>	Change brake fluid.
<b>At 10 years or 240,000 km</b>	Replace electric drive assembly fluid and filter.
<b>At 10 years or 322,000 km</b>	Change yellow coolant.

<sup>1</sup> Mechanic not required.

<sup>2</sup> Mechanic required.

### Charging

We have partnered with leading charging solution providers. Our partners offer site assessments to evaluate your electrical usage, identify needs, and uncover potential efficiencies and cost savings.

#### Charging Times (15-80%)\*

	Standard Range	Extended Range
<b>Time</b>	32 minutes	38 minutes
<b>Range Gained</b>	250 km	334 km

\*Using a 150 kW DC fast charger. Your results may vary depending on certain factors such as road and weather conditions.

Ask us how we can help integrate your new F-150 Lightning fleet into your site.

## Aftermarket Upfit Capabilities

Our company specialises in upfitting vehicles to meet the specific needs of fleet and mining operations. Our comprehensive upfitting options include, but are not limited to:

Ford genuine floor mats - heavy duty rubber	Dash camera	Lockable isolation - low voltage
Bed/tray lighting	Driving light bar - LED	Lockable isolation - high voltage
Ford genuine mud flaps	Intelligent Personnel Alert System	Fire extinguisher 4.5 kg - external
Switchable aux output - 10amp	Dual battery system	Fire extinguisher 1.5 kg - internal
Switchable aux output - 5amp	Beacon - 16 flash modes	Configurable CAN controlled HMI
Power distribution enclosure	Side switch panel	Internal/external control panels x 3 - configurable
First aid kit	Work/reverse lighting	Ruggedised accessory harness
Safety bar	Side directional work lighting	High level combination lights - ADR compliant
Safety dossier	Wheel chocks	2-way radio power supply - 20A
Tray - aluminium or steel	Harness securing with additional protection	2-way radio and aerial
Park brake alarm	Heavy duty canvas seat covers	Reverse alarm
Telemetry monitoring/IVMS	Pit safety flag	Pre-installed coax cable for 2-way
Tow bar tongue, ball and controller	Isolation switch	Antenna mounting points
Side steps	Wheel nut indicators	Vehicle CAN connectivity
Suspension upgrades	Jumpstart point - 12V	





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