

# 2022 FORD F-150 LIGHTNING

## TECHNICAL SPECIFICATIONS



Preproduction computer-generated vehicle shown. Available starting spring 2022.

### BODY

Construction/materials	High-strength steel frame, high-strength, military-grade aluminum alloy body and bed
Body style	SuperCrew® four-door with 5.5-foot bed
Final assembly location	Rouge Electric Vehicle Center

### POWERTRAIN/DRIVETRAIN

	Standard-Range Battery	Extended-Range Battery
Drivetrain Layout	Dual eMotor, front/rear transverse mounted, four-wheel drive	
Motors/configuration	Two inboard three-phase fixed magnet AC motors with internal PMAC controller and transaxles	
Targeted Peak Power (hp/kW)*	426/318	563/420
Targeted Peak Torque (lb.-ft.)*	775	775
Motor Build Location	Van Dyke Transmission Plant	

\*Calculated via peak performance of the electric motor(s) at peak battery power. Your results may vary. Horsepower and torque are independent attributes and may not be achieved simultaneously.

### BATTERY/ENERGY STORAGE

	Standard-Range Battery	Extended-Range Battery
Battery type	Lithium-ion pouch with internal battery management, liquid cooled	
Onboard charger power (input/output)	11.3 kW/10.5 kW	19.2kW/17.6 kW
Battery assembly location	Rawsonville Components Plant	

### TARGETED CHARGE TIMES\*

	Standard-Range Battery	Extended-Range Battery
<b>LEVEL 3</b>		
150 kW DCFC 15-80%	44 minutes	41 minutes
50 kW DCFC 15-80%	91 minutes	122 minutes
<b>LEVEL 2</b>		
80A Ford Charge Station Pro 15-100%	10 hours	8 hours
48A Connected Charge Station 15-100%	10 hours	13 hours
32A/240W Mobile Charger 15-100%	14 hours	19 hours

\*Charge time based on manufacturer computer engineering simulations. The charging rate decreases as battery reaches full capacity. Your results may vary based on peak charging times and battery state of charge.

### TARGETED MILES/CHARGE\*

	Standard-Range Battery	Extended-Range Battery
10 minutes, 150kW DC Fast Charge	41 miles	54 miles
1 hour, 80A Ford Charge Station Pro	19 miles	30 miles
1 hour, 48A Ford Connected Charge Station	19 miles	20 miles
1 hour, 32A/240W Mobile Charger	14 miles	13 miles

\*Excludes Platinum models. Range and charge time based on manufacturer computer engineering simulations and analytical projection consistent with U.S. EPA combined drive cycle. The charging rate decreases as battery reaches full capacity. Your results may vary based on peak charging times and battery state of charge. Actual range varies with conditions such as external environment, vehicle use, vehicle maintenance, lithium-ion battery age and state of health.

### TARGETED EPA-ESTIMATED RANGE\*

230	300
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\*Excludes Platinum models. Based on full charge. U.S. EPA-targeted range reflecting current status based on analytical projection consistent with U.S. EPA combined drive cycle. Actual range varies with conditions such as external environment, vehicle use, vehicle maintenance, lithium-ion battery age and state of health. Horsepower, torque, and EPA Estimated Fuel Economy Ratings are independent attributes and may not be achieved simultaneously.



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