



Lend a Hand – and a Few Miles – to Your Friends Using Vehicle-to-Vehicle Charging on F-150 Lightning, F-150 Hybrid

- With innovative Pro Power Onboard, the all-electric 2022 Ford F-150 Lightning™ truck and the F-150 PowerBoost Hybrid have the ability to let customers “share” range with other electric vehicle owners, allowing them to charge a friend’s vehicle during an outage or top off an EV battery for a neighbor
- Customers can use their F-150 Lightning or F-150 PowerBoost Hybrid to charge electric vehicles from Ford and other manufacturers; this is estimated to add an average range of 20 miles per charging hour to a Mustang Mach-E SUV with extended range battery and rear-wheel drive, or 13 miles of charge per hour on an F-150 Lightning
- Ford is using electric vehicle technology to offer customers innovative new capabilities – from deploying their F-150 Lightning battery to power their home in an outage to freeing up even more space for storage in the Mega Power Frunk

DEARBORN, Mich., Dec. 21, 2021 – Usually when someone asks you to top them off, they’re holding a cool beverage in hand looking for a refill. But with the all-electric F-150 Lightning™, customers can take service to another level by “sharing” miles with other electric vehicles – those built by Ford and other manufacturers – giving people additional range through vehicle-to-vehicle charging.

With available Pro Power Onboard, the 2022 F-150 Lightning and F-150 PowerBoost Hybrid trucks are high-energy power sources on wheels with multiple uses, thanks to their onboard generators and high-capacity battery systems. Now, Ford is offering another unique benefit to that list: vehicle-to-vehicle charging using the Ford-exclusive Pro Power Onboard 240-volt outlet.

“There are hundreds of benefits to Ford Pro Power Onboard – and we’ve added one more,” said Patrick Soderborg, Ford e-powertrain systems engineer. “Taking power on the road or having extra energy at home brings a lot of convenience and security, and using the F-150 Lightning or F-150 hybrid to top off a friend’s electric vehicle or help them during an outage is one of the many new benefits our customers gain from our Built Ford Tough electrified trucks.”

When connected to an F-150 Lightning or F-150 PowerBoost Hybrid with the optional 9.6 or 7.2 kilowatt Pro Power Onboard¹, the Ford Mobile Power Cord charger can deliver Level-2 charging that’s estimated to add an average range of 20 miles per charging hour on a Mustang Mach-E with extended-range battery and rear-wheel drive². It will add up to 13 miles of charge per hour on the upcoming F-150 Lightning, and will add an average range of 10 miles per charging hour to a Ford E-Transit low-roof cargo van².

Customers can easily take advantage of this capability, using a widely available power adaptor to link the Ford Mobile Power Cord to their truck. Once connected to the 240-volt Pro Power Onboard outlet, customers can use the Mobile Power Cord to charge a range of all-electric vehicles that use the SAE J1772 charge port. This includes the Ford Mustang Mach-E, the Ford E-Transit electric van and the all-new 2022 Ford F-150 Lightning electric pickup, as well as vehicles from other manufacturers³.

The 2021 Ford F-150 PowerBoost Hybrid pickup has an available 7.2 kilowatt Pro Power Onboard generator that can be used to power tools, accessories and the Ford Mobile Power Cord. This spring, the all-new 2022 F-150 Lightning – the first full-size battery electric pickup from Ford – will debut with the available 9.6 kilowatt Pro Power Onboard power source.

Electric vehicles open doors to new customer benefits

Just as cell phones and the internet changed our way of life, electric vehicles are poised to do the same with a wide range of new services and features. Leveraging the electric power generation and storage available in the new F-150 Lightning and F-150 PowerBoost Hybrid, Ford is building in new features that give customers functionality, convenience and capability.

With F-150 Lightning, its power source can even be used to power a home using Ford Intelligent Backup Power. Instead of installing a home generator or battery backup, the truck can be used to power a typical-size home up to three days in the event of a power outage⁴. The compact electric powertrain also allowed Ford to create the first Mega Power Frunk – a front trunk that not only offers multiple power outlets but also provides up to 14 cu.-ft. of lockable storage.

“There are so many new opportunities to innovate with features and functions made possible only through electrification,” said Soderborg. “This really hit home during the Texas power crisis last February, which left millions in the cold. F-150 Hybrid helped many Texans keep warm and powered up during those difficult times thanks to Pro Power Onboard – and we’re trying to do even more with F-150 Lightning.”

To learn more about Ford electric vehicles, go to [Ford.com/electric](https://www.ford.com/electric).

¹See owner's Manual for important operating instructions.

²Range and charge time based on manufacturer computer engineering simulations and EPA-estimated range calculation methodology. The charging rate decreases as battery reaches full capacity. Your results may vary based on peak charging times and battery state of charge. Actual vehicle range varies with conditions such as external environment, vehicle use, vehicle maintenance, lithium-ion battery age, and state of health.

³See owners manual for important operating instructions.

⁴When home is properly equipped and home transfer switch disconnects home from the grid. Based on 30 kWh use per day using the F-150 Lightning with the extended-range battery. Your results may vary depending on energy usage.

About Ford Motor Company

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