# Charging 101

## Level 1 – "Slow"

#### Ford Mobile Charger cord plugs into 110V standard wall socket

(included with purchase of a Ford BEV)

- + Can charge virtually anywhere
- + No installation required
- + 3 miles of range per hour of charging



## Level 2 – "Fast"

## Ford Mobile Charger cord plugs into a 220V outlet

- + Up to 22 miles of range per hour of charging
- + Can charge to full overnight

### Ford Connected Charge Station only

(Sold as Ford Accessory)

- + Up to 32 miles of range per hour of charging
- + Wi-Fi connected
- + Remote access and lock/unlock
- + Track charging history and vehicle's energy use



## Level 3 – "Fastest"

### FordPass Grants Access To *Electrify America's* National DC Fast Charging Network

- + 480V Direct Current
- + 0%-80% charge in 38-45 minutes when charging
- + Up to 47 miles per 10 minutes of charging
- + Very expensive to purchase and install (can be \$100,000 or more)



Range 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 elements, driving behaviors, vehicle maintenance, and lithium-ion battery age.

## Ford's Recommended Chargers

FOR CUSTOMERS The most convenient way to charge is at home with the **Ford Connected Charge Station.** 

While most standard Level 2 chargers will work with our vehicles, we recommend using the Ford branded options because they are designed to be fully compatible with our vehicles and integrate with FordPass.

#### FOR DEALERS

Two Ford-Branded chargers will be available for Dealers to install in Q3 2020:

- 1. Dealer Kiosk Charger
- 2. Ford Connected Charge Station

## **Quick Answers**

Can Dealers sell Ford branded chargers? Yes, the Ford Connected Charge Station can be sold as an accessory.

#### Can any of the Ford branded chargers take payments?

No, but there are third party options available.

#### Will dealership chargers be visible on the FordPass Charging network?

Initially, chargers at Ford dealerships will not be included on the FordPass Charging network but the option to join may be subject of future announcements.

#### How much does it cost to charge a vehicle?

The Ford Connected Charge Station can charge up to 11KW per hour. Using the US average of 13.34 cents per KW, the cost to charge a vehicle for one hour is only  $1.47 (11 \times 0.1334 = 1.47)$ .

More information: https://www.ford.com/powertrains/battery-electric-vehicles/

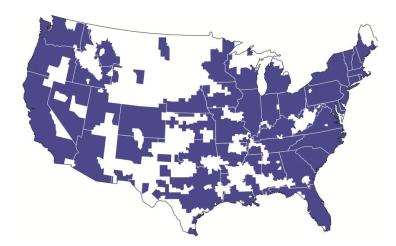
Get help: FordEV.Dealerconnection.com

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Map Source: Public Charging Stations (Excluding Tesla only, Tesla network stations and Chademo stations); Distance Based on 2010 US Census Household Data by Census Block. Sources: Census Data as of 8/13/19, charging Station Data as of 8/13/19: https://afdc.energy.gov/fuels/electricity\_locations.html#/analyze, data file provided by PlugShare on 7/25/19.

## **Range Confidence**

Ford does not want customers to worry about whether they can reach a charger, so Ford all-electric vehicles monitor the distance to the closest charging station and warn the customer before they potentially drive into a "charging desert" where they might not be able to reach a station. Even if customers do not actively use Ford navigation, their Ford all-electric vehicle has their back.



FordPass Charging Network coverage - within 40 miles of a charger.