

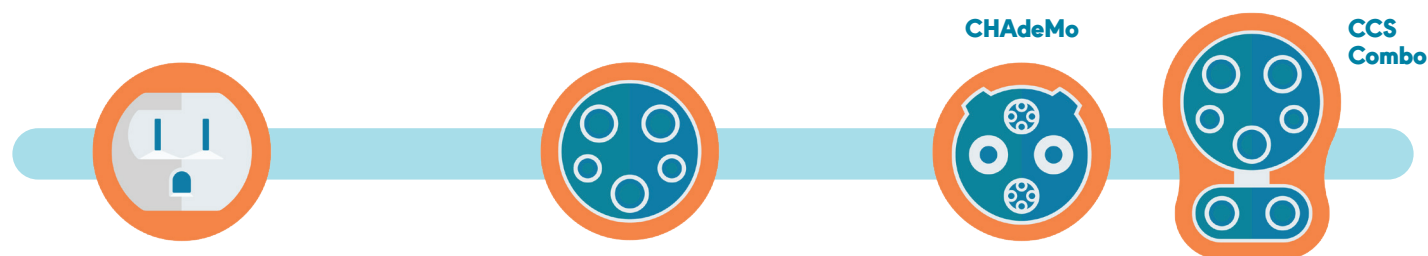
# CHARGING 101

## Everything you need to know about charging up

## THE BASICS OF CHARGING

So, you're thinking about going electric. Great! The number of charging stations keeps increasing, making getting from point A to point B as easy as 1, 2, 3! Plus, charging is becoming more convenient and faster – you can charge at home, on your road trip, and even at work!

### Charging Levels



#### Level 1

- Plug into a typical grounded outlet
- All you need is the charging cable that comes with your car
- Great for overnight charging

#### Level 2

- Ideal for all-electric car charging at home, at work, or on the road
- Recharge in just a few hours
- Charges via public or home stations and a 240v outlet

#### DC Fast Charging (Level 3)

- Charge up in less than an hour
  - Plug shape matters
- Some electric cars use the CHAdeMo standard and some use the CCS Combo standard. Be sure to double check which your car comes equipped with
- Tesla has a fast charging network specific to its cars with a different plug shape

### Quick Facts



There are over **397 public charging outlets in the District of Columbia**

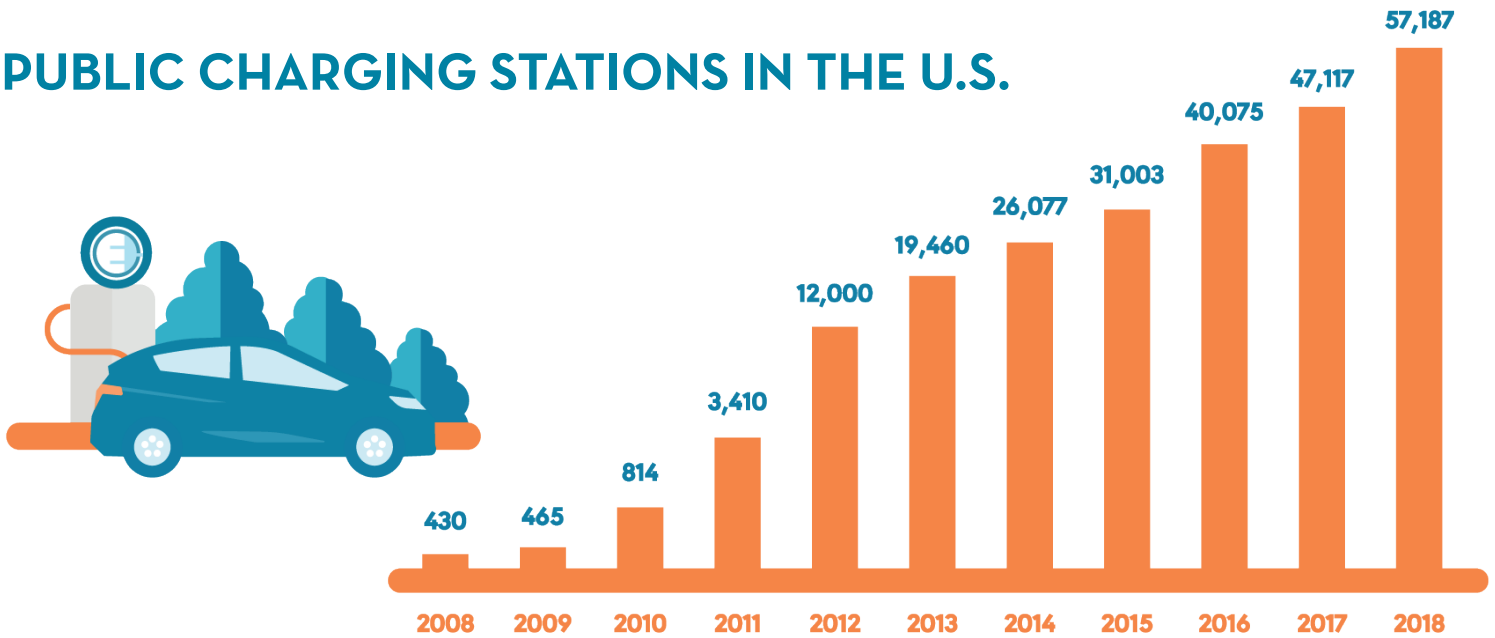


Chargers range from simple plug-and-go to **smart chargers** that can be programmed with your car to **start and stop charging when you choose**



The **average commute** for close-in DMV residents is 15 miles per day

# PUBLIC CHARGING STATIONS IN THE U.S.



Source: Statista and Alternative Fuels Data Center

## Home Charging

In most cases, home charging is cheaper than public charging. You can choose whether to plug in directly to an outlet (Level 1) or install a Level 2 charging station at your home.



Typically, home charging stations cost between \$300 - \$1,000 plus the cost of an electrician to install it. Check with your utility or a local energy conservation organization for recommendations on contractors and electricians who can install your station.

## Public Charging Networks

### Networks

When charging at a public station, you'll likely use a charger that's serviced by a network. Many have membership programs or subscriptions (you can download the app on your phone) and you can also pay as you go. Rates vary by network - some charge by session, per kWh, by the hour, and some are free.



Membership with these networks usually includes a member discount or if you're not a member you can call the 24-hour customer service line to pay on the spot.

Blink Charging, ChargePoint, Electrify America, EVgo, Greenlots, and SemaConnect are the most common network providers in the U.S.



## Finding Public Stations

Resources like PlugShare, or the Alternative Fuels Data Center give real-time information on charging station locations, pricing, nearby amenities, and availability. Google Maps also shows charging station locations.



Charging stations can be anywhere - at grocery stores and shopping centers, rest stops on the highway, and even at your workplace. You can run errands and grab a meal while you're charging up, plus some charging stations can communicate with your car and phone so you control when charging occurs.