



CHARGING 101

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 120-volt grounded outlet
- Adds 2-5 miles of range per hour
- Fully charge in 12+ hours
- Great for short commutes under 50 miles or infrequent car use



Level 2

- Plug in through a 240-volt outlet
- Adds roughly 25 miles of range per hour depending on vehicle
- Fully charge in 8+ hours
- Ideal for charging at home or work

CHAdeMo



Combo

CCS

Tesla

DC Fast Charging

- Public sites only due to electrical constraints
- Adds up to 250 miles of range per hour
- Fully charge within 1 hour
- Ideal for charging on long road trips with quick stops, or when short on time

Quick Facts







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



The **average commute** for Americans is 35 miles per day

Public Charging 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 energy unit, 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.

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



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