

# EV Charging 101



# Electric Vehicle Guide

Compare vehicles online at PlugStar.com



## LEVEL 1 STANDARD OUTLET

- Plug into a standard 120V wall outlet
- Connector provided with most EVs
- Great for overnight or workplace charging
- Ideal for typical commutes (up to 40 miles)



**Add 40 miles**  
of range overnight

## LEVEL 2 240 VOLT OUTLET

- Faster charging for longer drives
- Provides a full charge for most EVs in:



100% Electric

**4-8 hours**  
empty to full charge



Electric & Gas

**1-2 hours**  
empty to full charge



**Gain 25 miles**  
of range per hour of charging

## DC FAST CHARGE

- Much faster charging at public locations
- 3 different connectors depending on vehicle:



CCS Combo  
Up to  
**160 miles**  
in 20 minutes



CHAdeMO  
Up to  
**67 miles**  
in 30 minutes



Tesla Supercharger  
Up to  
**200 miles**  
in 20 minutes



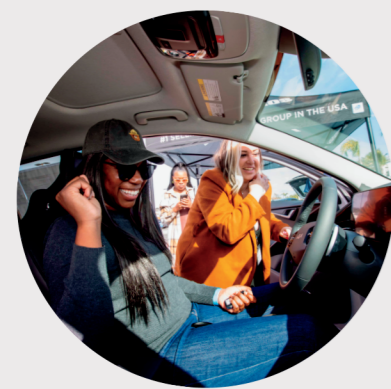
**0 to 80%**  
in 30-40 minutes



## EDUCATE | ADVOCATE | RESEARCH

Founded in 2008, Plug In America is a nonprofit organization serving and representing prospective and current EV drivers.

- We fight for pro-EV policies, including tax credits, and educate policymakers about the true owner experience. Join our network to take action.
- We present hundreds of EV events across the country each year to educate Americans about the benefits of driving electric.
- Our PlugStar EV Shopping Assistant and EV Support Program make it easy for drivers to switch to clean EVs.



@PlugInAmerica

Join the movement at [PlugInAmerica.org](https://PlugInAmerica.org)

[PlugStar.com](https://PlugStar.com) | [DriveElectricWeek.org](https://DriveElectricWeek.org) | [DriveElectricEarthDay.org](https://DriveElectricEarthDay.org)



## All-Electric Vehicles

sorted by price, low to high



**Chevy Bolt EV/EUV**  
\$25,600  
**259 miles**



**Nissan Leaf**  
\$28,040  
**149-212 miles**



**Hyundai Kona EV**  
\$34,000  
**258 miles**



**VW ID.4**  
\$38,995  
**209-275 miles**



**Kia Niro EV**  
\$39,900  
**253 miles**



**Tesla Model 3**  
\$40,240  
**272-358 miles**



**Hyundai IONIQ 5**  
\$41,450  
**220-303 miles**



**Toyota BZ4X**  
\$42,000  
**222-252 miles**



**Kia EV6**  
\$42,600  
**206-310 miles**



**Ford Mustang Mach E**  
\$42,995  
**247-314 miles**



**Nissan Ariya**  
\$43,190  
**216-304 miles**



**Subaru Solterra**  
\$44,995  
**222-228 miles**



**Tesla Model Y**  
\$47,740  
**279-330 miles**



**Audi Q4 E-Tron**  
\$49,800  
**236-265 miles**



**Polestar 2**  
\$49,900  
**260-270 miles**



**Ford F-150 Lightning**  
\$49,995  
**230-320 miles**

Additional all-electric and plug-in hybrid vehicles inside



## All-Electric Vehicles

sorted by price, low to high



**BMW i4**  
\$52,200  
227-301 miles



**Mercedes-Benz EQB**  
\$52,750  
245 miles



**Volvo XC40 Recharge**  
\$53,550  
226 miles



**Cadillac Lyriq**  
\$58,590  
314 miles



**Genesis GV60**  
\$60,415  
235-248 miles



**Rivian R1T**  
\$73,000  
270-400 miles



**Rivian R1S**  
\$78,000  
260-390 miles



**BMW iX**  
\$87,100  
288-307 miles



**Lucid Air**  
\$87,400  
41-520 miles

[Find more all-electric vehicles at PlugStar.com](https://www.plugstar.com)

### EV Support Program

Plug In America's EV Support Program can answer all of your EV-related questions about charging, incentives and more one-on-one. Email us at [support@pluginamerica.org](mailto:support@pluginamerica.org) or call 1-877-EV-HELP-1.



### Incentives

Many electric vehicles are eligible for a federal tax credit of up to \$7,500. Additional incentives may be available in your area from your state, utility provider or another entity. Visit [PlugStar.com](https://www.plugstar.com) to learn more.



## Plug-In Hybrid Vehicles

sorted by price, low to high



**Subaru Crosstrek Hybrid**  
\$24,995  
17 / 480  
electric total miles



**Toyota Prius Prime**  
\$32,350  
39 / 600  
electric total miles



**Kia Niro PHEV**  
\$33,840  
31 / 510  
electric total miles



**Hyundai Tucson Plug-In Hybrid**  
\$37,500  
33 / 420  
electric total miles



**Kia Sportage Plug-In Hybrid**  
\$38,690  
34 / 430  
electric total miles



**Mitsubishi Outlander PHEV**  
\$39,845  
38 / 420  
electric total miles



**Ford Escape PHEV**  
\$40,500  
37 / 520  
electric total miles



**Hyundai Santa Fe Plug-In Hybrid**  
\$42,410  
31 / 440  
electric total miles



**MINI Countryman PHEV**  
\$42,700  
17 / 300  
electric total miles



**Toyota RAV4 Prime**  
\$43,090  
42 / 600  
electric total miles



**Audi Q5 PHEV**  
\$44,200  
25 / 390  
electric total miles



**BMW 330e**  
\$45,600  
22 / 320  
electric total miles



**Kia Sorento Plug-In**  
\$49,990  
32 / 460  
electric total miles



**Chrysler Pacifica Hybrid**  
\$51,095  
32 / 520  
electric total miles



**Volvo S60 Recharge**  
\$51,250  
41 / 530  
electric total miles



**Lincoln Corsair Grand Touring**  
\$53,885  
28 / 430  
electric total miles

[Find more plug-in hybrids at PlugStar.com](https://www.plugstar.com)

### Charging

Get equipped for charging at home and find a qualified electrician. Plus, find public charging in your area at [PlugStar.com](https://www.plugstar.com).



### Used Electric Vehicles

Used EVs can be a more economical option, given the fewer moving parts. Download our Used EV Buyer's Guide on [PlugInAmerica.org](https://www.pluginamerica.org).



This guide includes a sampling of vehicles available as of August 2023. All prices are starting MSRP. Models, MSRP, and range numbers are subject to change. Not all vehicles are available in all states. Vehicle charging rates vary by vehicle and conditions. Visit [PlugStar.com](https://www.plugstar.com) for updated information.