

# EV Charging 101



## Electric Vehicle Guide

Compare vehicles online at [PlugStar.com](https://www.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://www.PlugInAmerica.org)

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



### All-Electric Vehicles

sorted by price, low to high



Chevy Bolt EV/EUV  
\$26,595  
**259 miles**



Nissan Leaf  
\$29,135  
**149-212 miles**



Hyundai Kona EV  
\$35,245  
**258 miles**



VW ID.4  
\$38,790  
**209-275 miles**



Kia Niro EV  
\$40,745  
**253 miles**



Hyundai IONIQ 5  
\$42,745  
**220-303 miles**



Toyota BZ4X  
\$43,335  
**222-252 miles**



Tesla Model 3  
\$42,990  
**272-358 miles**



Nissan Ariya  
\$47,190  
**216-304 miles**



Ford Mustang Mach E  
\$48,195  
**247-314 miles**



Kia EV6  
\$49,795  
**206-310 miles**



Polestar 2  
\$49,800  
**260-270 miles**



Audi Q4 E-Tron  
\$50,995  
**236-265 miles**



BMW i4  
\$52,395  
**227-301 miles**



Volvo XC40 Recharge  
\$54,645  
**226 miles**



Tesla Model Y  
\$54,990  
**303-330 miles**

Additional all-electric and plug-in hybrid vehicles inside ➔





## All-Electric Vehicles

sorted by price, low to high



Mercedes-Benz EQB  
\$55,550  
227 miles



Ford F-150 Lightning  
\$59,014  
230-320 miles



Cadillac Lyriq  
\$60,000  
312 miles



Genesis GV60  
\$60,385  
235-248 miles



Audi E-Tron  
\$72,590  
226 miles



Rivian R1T  
\$73,000  
289-328 miles



Rivian R1S  
\$78,000  
289-321 miles



BMW iX  
\$85,095  
288-324 miles



Lucid Air  
\$89,050  
384-520 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 one on one. Email us at [support@pluginamerica.org](mailto:support@pluginamerica.org) or call 1 (877) EV-HELP-1.



### Incentives

Many EVs are eligible for a federal tax credit of up to \$7,500, and additional incentives may be available in your area. Visit [PlugStar.com](https://www.PlugStar.com) to learn more.



### 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 great option, given the fewer moving parts. Download our Used EV Buyer's Guide on [PlugInAmerica.org](https://www.PlugInAmerica.org).



## Plug-In Hybrid Vehicles

sorted by price, low to high



Toyota Prius Prime  
\$29,865  
25 / 640  
electric total miles



Kia Niro PHEV  
\$35,035  
33 / 510  
electric total miles



Hyundai Tucson Plug-In Hybrid  
\$36,695  
33 / 420  
electric total miles



Subaru Crosstrek Hybrid  
\$38,070  
17 / 480  
electric total miles



Kia Sportage Plug-In Hybrid  
\$39,785  
34 / 430  
electric total miles



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



Ford Escape PHEV  
\$40,640  
37 / 520  
electric total miles



Hyundai Santa Fe Plug-In Hybrid  
\$41,295  
31 / 440  
electric total miles



Toyota RAV4 Prime  
\$43,675  
42 / 600  
electric total miles



BMW 330e  
\$45,895  
23 / 320  
electric total miles



MINI Countryman Cooper SE  
\$47,125  
18 / 300  
electric total miles



Chrysler Pacifica Hybrid  
\$49,323  
32 / 520  
electric total miles



Kia Sorento Plug-In  
\$51,185  
32 / 460  
electric total miles



Volvo S60 Recharge  
\$52,345  
40 / 530  
electric total miles



Audi Q5 PHEV  
\$52,900  
23 / 390  
electric total miles



Lincoln Corsair Grand Touring  
\$54,345  
28 / 430  
electric total miles



Jeep Wrangler 4xe  
\$55,530  
22 / 370  
electric total miles



Lexus NX450h+  
\$58,205  
37 / 550  
electric total miles



Volvo XC60 Recharge  
\$58,495  
37 / 560  
electric total miles



Jeep Grand Cherokee 4xe  
\$62,155  
26 / 470  
electric total miles

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

This guide includes vehicles available as of February 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.