

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 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.