

# EV Charging 101



# Electric Vehicle Guide

Compare vehicles online at [smud.PlugStar.com](http://smud.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

## Drive electric and save!

Check out [smud.PlugStar.com/incentives](http://smud.PlugStar.com/incentives) for available rebates and incentives.

Plus, the SMUD Charge@Home incentive provides up to \$1,000 toward the purchase of a qualified Level 2 EV charger or circuit sharing device and/or home electric costs needed to install your EV charging equipment.

Learn more about SMUD's special discount rate for EV owners and other important resources and information.

Visit [smud.org/DriveElectric](http://smud.org/DriveElectric)



## 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





In partnership with:



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 [smud.PlugStar.com](http://smud.PlugStar.com) for updated information.



## All-Electric Vehicles

sorted by price, low to high

 <b>Mercedes-Benz EQB</b> \$55,550 <b>227 miles</b>	 <b>Ford F-150 Lightning</b> \$59,014 <b>230-320 miles</b>	 <b>Cadillac Lyriq</b> \$60,000 <b>312 miles</b>
 <b>Genesis GV60</b> \$60,385 <b>235-248 miles</b>	 <b>Audi E-Tron</b> \$72,590 <b>226 miles</b>	 <b>Rivian R1T</b> \$73,000 <b>289-328 miles</b>
 <b>Rivian R1S</b> \$78,000 <b>289-321 miles</b>	 <b>BMW iX</b> \$85,095 <b>288-324 miles</b>	 <b>Lucid Air</b> \$89,050 <b>384-520 miles</b>

Find more all-electric vehicles at [smud.PlugStar.com](http://smud.PlugStar.com)

**EV Support Program**  
 Plug In America's EV Support Program can answer all of your EV-related questions one 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](http://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](http://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](http://PlugInAmerica.org).




## Plug-In Hybrid Vehicles

sorted by price, low to high

 <b>Toyota Prius Prime</b> \$29,865 <b>25 / 640</b> <small>electric total miles</small>	 <b>Kia Niro PHEV</b> \$35,035 <b>33 / 510</b> <small>electric total miles</small>	 <b>Hyundai Tucson Plug-In Hybrid</b> \$36,695 <b>33 / 420</b> <small>electric total miles</small>	 <b>Subaru Crosstrek Hybrid</b> \$38,070 <b>17 / 480</b> <small>electric total miles</small>
 <b>Kia Sportage Plug-In Hybrid</b> \$39,785 <b>34 / 430</b> <small>electric total miles</small>	 <b>Mitsubishi Outlander PHEV</b> \$39,845 <b>38 / 420</b> <small>electric total miles</small>	 <b>Ford Escape PHEV</b> \$40,640 <b>37 / 520</b> <small>electric total miles</small>	 <b>Hyundai Santa Fe Plug-In Hybrid</b> \$41,295 <b>31 / 440</b> <small>electric total miles</small>
 <b>Toyota RAV4 Prime</b> \$43,675 <b>42 / 600</b> <small>electric total miles</small>	 <b>BMW 330e</b> \$45,895 <b>23 / 320</b> <small>electric total miles</small>	 <b>MINI Countryman Cooper SE</b> \$47,125 <b>18 / 300</b> <small>electric total miles</small>	 <b>Chrysler Pacifica Hybrid</b> \$49,323 <b>32 / 520</b> <small>electric total miles</small>
 <b>Kia Sorento Plug-In</b> \$51,185 <b>32 / 460</b> <small>electric total miles</small>	 <b>Volvo S60 Recharge</b> \$52,345 <b>40 / 530</b> <small>electric total miles</small>	 <b>Audi Q5 PHEV</b> \$52,900 <b>23 / 390</b> <small>electric total miles</small>	 <b>Lincoln Corsair Grand Touring</b> \$54,345 <b>28 / 430</b> <small>electric total miles</small>
 <b>Jeep Wrangler 4xe</b> \$55,530 <b>22 / 370</b> <small>electric total miles</small>	 <b>Lexus NX450h+</b> \$58,205 <b>37 / 550</b> <small>electric total miles</small>	 <b>Volvo XC60 Recharge</b> \$58,495 <b>37 / 560</b> <small>electric total miles</small>	 <b>Jeep Grand Cherokee 4xe</b> \$62,155 <b>26 / 470</b> <small>electric total miles</small>

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