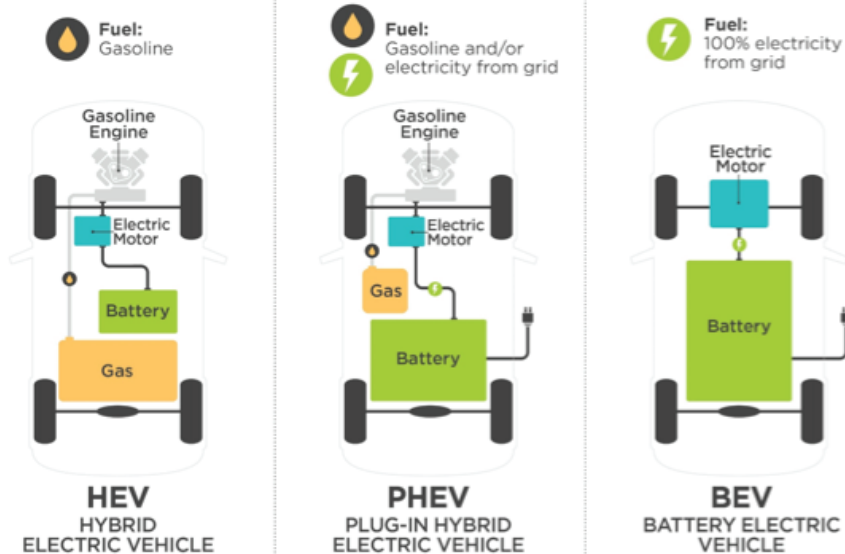


Types of Electric Vehicles

If you're looking to purchase an electric vehicle, use this cheat sheet to help you determine the various options. Drivers can choose between three types of electric vehicles (EVs). EVs are classed by the amount of electricity that is used as their energy source.

Source: Electric Power Research Institute



Electric vehicles (EVs) are getting more attention these days. Electricity as a vehicle fuel is typically one-half to one-third the cost of gas or diesel, and EV batteries now enable longer ranges. The upfront price of an EV is still higher than its gas-powered cousin, but the cost is coming down. As with all important purchases, Claverack Electric encourages you to do your homework and consider all the options if you think an EV may be in your future. Here are just a few questions to get you started:

Step 1: Choose your EV

What type of EV makes the most sense for your lifestyle? What type do you feel comfortable with?

Step 2: Select your charging level

Will you be able to charge sufficiently at home with the basic Level 1 option, or will you need to invest in Level 2 equipment?

Step 3: Know your needs

How often will you need to charge to make your daily commute to and from work? If you exceed the range, will your travels take you to places that offer Level 2 or Level 3 charging stations?

Step 4: Count the costs and savings

Can you take advantage of a tax credit or rebate with your purchase? Have you compared the yearly maintenance costs between an EV and a traditional vehicle? Have you considered the cost of gasoline versus the cost of electricity?

Charging Your EV

There are three charging options available:

Level 1

Provides charging through a 120-volt standard household receptacle. The charging unit is typically included with the vehicle, so it is the easiest and cheapest charging solution at home. This option can provide roughly 3 to 8 miles of range per hour of charging.

Level 2

Provides charging through a 240-volt receptacle - the type used for larger appliances like a clothes dryer or welder. Installation costs to add the receptacle or charging equipment may be incurred. This option can provide between 18 and 48 miles of range per hour of charging. These chargers are sometimes referred to as destination chargers because they can be found at restaurants, hotels or shopping areas.

Level 3

Provides charging through specialized high voltage equipment. This option can provide 60 to 80 miles of range in approximately 20 minutes of charging. This type of charger is often referred to as a fast charger and is typically found at gas stations, restaurants and rest areas, especially along heavy traffic corridors. This is the type of charger you look for when you are traveling further than the range of the vehicle.

Facts about Claverack's Tesla

Model 3 with Long Range All-Wheel Drive

Total cost: \$49,290

Built for Safety:

- NHTSA 5-Star safety rating
- Aluminum and steel structure
- Superior impact protection
- Very low rollover risk
- Unparalleled traction and control

Range:

- Approximately 300 miles of range on a single charge
- Recharge up to 172 miles in 15 minutes at Supercharger locations
- Aggressive driving and cold weather impacts range
- Regenerative braking provides charge to the batteries on downgrades, so hills don't have a large impact on range

Specifications:

- Seating for up to 5 adults
- 15 cubic feet of cargo space
- 15 inch center touchscreen
- Weighs 4,032 pounds

Purchase Location:

- Test drive – King of Prussia, PA
- Pickup – Devon, PA

Where You Can Find More Information

A quick internet search will provide a lot of information for you to consider regarding EVs.

Some helpful sites that we have found are:

www.energy.gov/eere/electricvehicles

www.epa.gov/greenvehicles

www.consumerreports.org

www.chargepoint.com

www.plugshare.com

IMPORTANT: Be sure to hire an experienced electrician if you are in need of wiring upgrades or a charger installation.

Call us any time to ask about our experience with our EV. We're also happy to have you visit the cooperative to learn more, share our insights and maybe even take you for a test drive!



CLAVERACK
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"Powered by Excellence"

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Claverack Rural Electric Cooperative, Inc.

YOUR CO-OP PRESENTS: ELECTRIC VEHICLES 101



Claverack is your electric provider. We power your home, your farm and maybe even your business. We are your trusted source when it comes to helping you understand your electric consumption, advising you as to what appliances or heating/cooling options you should consider and much more.

Now we're prepared to assist you in your search for an electric vehicle or EV. Claverack has purchased a Tesla Model 3 to incorporate into our vehicle fleet. This allows us to advise you through our real-life experience with an EV. Our goal is always to provide you, our consumer members, with the most accurate and relevant information possible.