

POWERED SMART- ELECTRIC VEHICLES

Efficient | Smart | Green



	HYBRID	PLUG-IN HYBRID	BATTERY ELECTRIC VEHICLE (BEV or EV)
RANGE	11.3 gal. tank	12-26 mi. (electric) 200-640 mi. total	150-335 mi.
MPGe <i>miles per gallon equivalent</i>	43-58 mpg	74-133	112-124
PLUG-IN TO CHARGE?	No	Yes	Yes

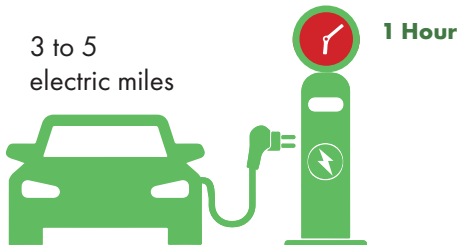
How Will You Charge The Vehicle?

TIP: DOWNLOAD AN APP TO YOUR SMARTPHONE TO HELP LOCATE CHARGING STATIONS WHEN YOU TRAVEL.

Based on surveys of current EV owners, 80 percent of charging occurs at home. There are different levels of charging stations available. The information below may help you decide which is best for your needs. If you do not want to charge a vehicle, a conventional hybrid would be your best choice.

LEVEL 1

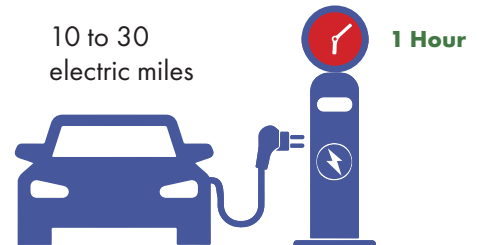
3 to 5
electric miles



Requires access to a 120-volt outlet in an area where you can recharge the car overnight (or be willing to add one in a convenient location).

LEVEL 2

10 to 30
electric miles



Requires access to a 240-volt outlet in an area where you can recharge the car (or be willing to have a trusted electrician install one in a convenient location). Some businesses offer Level 2 charging stations for their employees.

Electric vehicle home charging levels

	LEVEL 1 CHARGING	LEVEL 2 CHARGING
VOLTAGE	120V single-phase AC	208-240V single-phase AC
AMPS	12-15	<50 (typically 30)
CHARGING LOAD	1.8 kW	3.6-11 kW (typically 7.2 kW)
CHARGING TIME	3-5 miles per hour of charging	10-30 miles per hour of charging

volts x amps = watts | watts / 1,000 = kilowatts (kW) | typical range per kilowatt-hour (kWh) = 3 miles

BEFORE YOU BUY

Talk to your local electric cooperative before purchasing a BEV or PHEV to make sure the proper infrastructure is in-place to accommodate a home-charger. Members looking for more affordable EVs should check with local dealerships to see if they offer a used EV inventory. Other considerations for installing a charger:

- Install the outlet in a place near a frequent parking spot, such as in a shed, garage or carport. Sheds and garages limit exposure to the elements and prevent others from using your charger.
- Make sure there is available space on the floor, walls and ceilings; be mindful of overhead doors or objects that may obstruct a vehicle's ability to plug in; and avoid locations that will require the charging cord to be wrapped around or draped over a vehicle.