

EV Preparedness

Key tips to be aware of when utilizing an electric vehicle

- Know how to open the door from the inside if there is no power.
- Know how to open the door from the outside if there is no power.
- Know how to start the car if the key fob battery is low or depleted.
- Know how to disconnect the charging cord if it won't disengage.
- Know your state of charge (SOC) before leaving.
- Know your direct current fast charger (DCFC) options in the local area and destination.
- Precondition your vehicle before leaving.
- Check driver mode setting to ensure the vehicle settings are set to your driving style.
 1. Do you typically have one pedal driving on?
 2. Does this vehicle have different driving modes i.e. standard, low, unbridled?
- The vehicle will handle very differently in different modes and with or without one pedal driving.

Charging information

Level 2 (L2) chargers are the most common chargers in office and commercial parking lots – where vehicles are typically parked for an hour or more. L2 chargers typically deliver between 15 and 25 miles of range per hour. L2 chargers typically charge a vehicle from 20% to 80% in 4-10 hours.

Level 3 (L3) Direct Current Fast Chargers (DCFC) are designed similarly to a gas station, offering drivers a quicker charge. These chargers typically provide 50 kW – 350 kW charging capacity and can deliver 100 + miles of range in an hour. DCFC typically charges a vehicle from 20% to 80% in 20 minutes to one hour.

- When charging on DCFC, in the field, do not charge over 80% SOC.
 - At 80% SOC and higher charging rates are greatly reduced, ~ 10 kW.
- If the charger does not work call the number on the charger and report it.
 - Often the charge can be started by the service representative.
- If traveling 100 miles or more know the DCFC locations in advance.
 - Utilize PlugShare website before leaving, www.plugshare.com and note DCFC locations at 100 miles plus so you can be prepared to stop and charge.



Additional questions regarding Electric Vehicle Preparedness and/or Electric Vehicle Infrastructure?

Please contact the DSHS Energy Efficiency Specialist,
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