

CONNECTED to SAFETY

Understanding Electric Vehicles

Are you thinking about purchasing, or have you recently purchased an **electric vehicle**? Learn about the different charging options you have and how to **charge your electric vehicle safely**.

HOME CHARGING

Electric Vehicle Supply Equipment

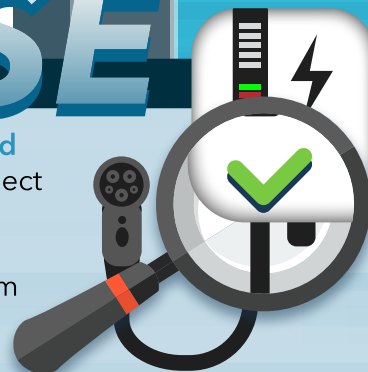
EVSE



Before using a charger, ensure the equipment has been listed by a **Nationally Recognized Testing Laboratory** (NRTL).



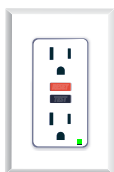
Have a **qualified electrician** inspect your home to ensure your electrical system can handle charging.



Ensure both the **charger** and **charging cord** do not have **damage** before use.

LEVEL 1 EVSE CHARGING

Provides charging through a **standard household plug**. 2-5 miles of range per hour.



Ensure your charger or receptacle has **GFCI protection** to prevent accidental shocks and electrocution.



Ensure you are using a **dedicated circuit** to charge your vehicle. The circuit should not provide power to any other appliance.



Use a **manufacturer provided** charging cord.

LEVEL 2 EVSE CHARGING

Provides charging through **specialized 240v charging equipment**. 10 - 60 miles of range per hour.



Must be installed by a **qualified electrician**.



May require an **electrical service upgrade** to install.



Only use **outdoor rated** charging stations outdoors.



Ensure the charging station **cannot come in contact** with the electric vehicle.

Keep the **charging cable off the floor** to avoid tripping hazards and maintain the life of the cord.



LEVEL 3 EVSE CHARGING

Fastest charging option. **Not available** for residential installation.



WARNING

- Electric vehicles have **high voltage** batteries
- All maintenance should be **completed by the manufacturer**
- Avoid contact with **high-voltage orange cables**

Please **share** this **free** resource to save lives