



## Installing a Home EV Charger: A Step-by-Step Guide

Installing a Level 2 home EV charger can significantly enhance the charging experience for electric vehicle owners by providing faster charging compared to standard Level 1 chargers. Installing Level 2 commercial EV chargers requires a thoughtful engineering plan that considers electrical requirements, site layout, and safety considerations.

### 1. Determine Installation Location

- **Accessibility:** Choose a spot near your car's parking space. It can be either mounted on a wall or a pole.
- **Safety:** Avoid areas with obstructions or hazards.

### 2. Assess Your Electrical System or Consult an Electrician

- **Check your panel:** Ensure it has enough capacity to handle the charger you want to install.

### 3. Determine what charger you want to install.

- **Electrical system:** Chargers are rated at different amperages and must be compatible with your electric panel capacity.
- **Future-proofing:** If you plan to get a different EV in the future, ensure your charger is compatible.

### 4. Obtain Necessary Permits

- **Contact the City Building Department or have your electrician do this.**
- **HOA guidelines:** If applicable, check your HOA's rules.

## 5. Hire a Qualified Electrician

- **Experience:** Ensure they have experience with EV charger installations.
- **Licenses:** Verify their credentials.

## 6. Installation Process

- **Wiring:** The electrician will run a dedicated circuit to the charging station.
- **Mounting:** The charger will be securely mounted to a wall or pole.
- **Testing:** The electrician will test the installation for safety and functionality.

## 7. Connect Your EV

- **Plug in:** Simply plug your EV's charging cable into the station.
- **Start charging:** The charger will automatically begin charging your vehicle.

**8. File the for the Alternative Fuel Credit as part of your Federal Tax Return if you can!**