

Building Permits & Inspection Division

General Information: (916) 875-5296
<https://building.saccounty.gov/>

9700 Goethe Rd • Suite A Sacramento 95827 M-F 8:30am-4:00pm

827 7 th St • Room 102 Sacramento 95814 M-F 8:30am-4:00pm
--

Residential EVCS Submittal List

Requirements for plan review and permit:

For a Level 1 EV charging station, a permit for the charging station is not required. However, if you are installing a new 120v outlet, an electrical miscellaneous permit is required. Submit plan for permit to our [online portal](#).

For a Level 2 EV charging station, an electrical miscellaneous permit is required. Submit plan for permit to our [online portal](#).

1. Plans for Level 1 (120v) or Level 2 (240v) EV charging station:

- Provide legible site plan with full scope of work, site address and relevant codes on the cover sheet.
- Provide a floor plan drawn to scale indicating equipment location (CEC 625.50) as well as existing service/meter panel location.
- Be sure that the location is in accordance with the manufacturer's written guidelines.
- Main panel upgrade may be incorporated with EV permit submittal, note in scope of work.
- Note mounting of EVSE, i.e., wall mount, pole pedestal, or other.

2. Single Line Diagram:

- Provide a single line diagram indicating conductor sizing and conduit fill.

3. Load Calculation:

- Provide an electrical load calculation worksheet.
- EV charging loads are considered continuous and overcurrent protection for feeders and branch circuits supplying equipment shall have a rating not less than 125% of the maximum load of the equipment (California Electrical Code Article 625.41).
- Load Calculations must include 125% of the maximum EV charging load and be provided when the service panel rating is 125 amperes or less (California Electrical Code Article 220)

4. Cut Sheets:

- Provide charging equipment cut sheets from manufacturer.

<https://building.saccounty.gov/>