



ELECTRIC VEHICLE CHARGING STATION (EVCS) PERMIT WORKSHEET

Complete worksheet to obtain an electrical permit to install Electric Vehicle Charging Station (EVCS) in a garage or carport serving a single family home, or within a private garage serving a condominium provided the electrical panel serving the installation is rated for 100 Amps or more and it is not connected to a common main panel.

NOTE: Installations served by an electrical service of subpanel rated for less than 100 Amps cannot be permitted using this worksheet as justification, using the Standard Method of Part III Feeders and Service Load Calculations of Article 220 of the California Electrical Code is required [Art. 220.82(A)].

PROJECT ADDRESS

THE PROPOSED INSTALLATION WILL SERVE (Check one)

- SINGLE FAMILY DWELLING; The location of the EVCS is within a private garage or carport.
- CONDOMINIUM; The location of the EVCS is within a private garage and electrical panel serving the installation is not connected to a common main panel.

ELECTRIC SERVICE (Check the size of the electric service or subpanel serving the proposed installation)

- 100 Amps 200 Amps OTHER; Specify: _____

ELECTRIC VEHICLE CHARGING STATION - The EVCS must be listed and installed per its listing and rated for outdoor use if not within an enclosed garage.

EVCS NAMEPLATE RATING (Check one)

- 20 Amps/120 volts 20 Amps/240 volts OTHER; Specify: _____

Complete the following EVCS LOAD CALCULATION WORKSHEET to demonstrate the current electrical service or subpanel capacity is sufficient.

If EVSE connects to a subpanel, attach a subpanel load calculation to the EVSE LOAD CALCULATION WORKSHEET.

SIGNATURE

PRINT NAME

DATE

EVCS LOAD CALCULATION WORKSHEET

PROJECT ADDRESS _____

GENERAL LIGHTING LOAD Your home's square footage: _____ X 3 VA = _____

Small appliance branch circuits (**2 min.**) 1500 VA X _____ circuits _____

Laundry circuit 1500 VA X _____ circuit(s) _____

APPLIANCES AND EQUIPMENT - Values are minimums, use actual values if known to be greater. Enter "0" if not present at project site.

| | | |
|--------------------------------|------|--|
| Microwave (in dedicated space) | 1300 | |
| Compactor | 1000 | |
| Dishwasher | 1200 | |
| Disposal | 800 | |
| Proposed EVSE circuit | 7200 | |
| Pool/Spa Pump 1 horsepower | 1920 | |
| Pool/Spa Pump 1.5 horsepower | 2400 | |
| Pool/Spa Pump 2 horsepower | 2880 | |
| _____ | | |
| _____ | | |
| _____ | | |

*Attach additional sheets if needed

Subtotal (A) _____

Subtotal (A) minus 10,000 VA _____ **X 0.40 =** _____ *plus 10,000*

Subtotal (B) _____

Total A/C Load, use nameplate rating or A/C circuit breaker rating (C) _____

D = (B) + (C) _____

Total demand is $D / 240V =$ _____ Amps. If this value is less than the rating of the existing electrical service or subpanel NO service or subpanel upgrade is necessary. If the value is greater, an EVCS permit may only be issued if a panel upgrade is included with the work.

PLAN CHECKER NOTES _____