



Electric Vehicle Service Equipment Permitting Checklist for Residential Installations

Permit Number: _____
(Official Use)

Site Location: _____

Parcel Number: _____

Contractor Name: _____

Contractor Email: _____

Phone Number: _____

Owner Name: _____

Owner Email: _____

Phone Number: _____

Description of Work:

EVSE Manufacturer: _____

EV Make / Model: _____

EVSE Level: Level 1 (120V) ____ Level 2 (240V) ____

EVSE Voltage: _____

Maximum Rating (nameplate) of EVSE (kW): _____

Equipment Connection: 625.44 NEC (A),(B), or (C)

Portable Equipment: ____

Fastened-in-Place: ____

Fixed Equipment: ____

Existing Service Description:

Amperes: _____ Voltage: _____ Phase: _____ Conductor Count: _____

Existing Service Conductor Size: _____ AWG / Kcmil

Existing Feeder Conductor Size: _____ AWG / Kcmil

Calculated Demand Load of Existing Panel Supplying EVSE (Amps): _____

Peak Demand Load Per Servicing Utility: _____ (provide documentation from utility)

Existing Panel Rating Supplying EVSE (Amps): _____

Spaces: _____

EVSE Premises Modification:

Circuit Rating for EVSE: _____ Amps _____ Poles _____ Conductor Size / Type

Total Proposed Load: _____ Amps (existing plus EVSE)

Compliance Checklist:

- Equipment listed in accordance with section 625.5 NEC.
- Equipment supplied by a single branch circuit with no other loads. See 625.40 NEC
- Adjustable settings for fixed-in-place equipment comply with 625.42 NEC
- Disconnecting means complies with 625.43 NEC for equipment rated more than 60 amps or 150V to ground.
- Equipment complies with 625.46 NEC for back fed prevention for loss of primary source voltage.
- Interactive systems shall comply with 625.48 and provisions of article 702 NEC.
- Equipment is installed in a location compliant with 625.50 NEC.
- Equipment and electric storage batteries evaluated for the ventilation requirements of 625.52 NEC. See EVSE equipment and vehicle manufacturers specifications.
- GFCI provided receptacles in accordance with 625.54 and enclosed where notated by 625.56 NEC.

Note: The full manufacturer installation specifications shall be provided along with the EVSE Residential Checklist. Non-residential / commercial and level 3 EVSE systems will require designs to be prepared by a licensed registered design professional. THE EVSE checklist shall be completed in PRINT ONLY. Photos shall be provided in COLOR ONLY.

I hereby acknowledge that the above information provide is a true and correct representation of existing conditions. The existing premise wiring system and equipment is of suitable capacity and condition to be modified and extended. In addition to the provided, all installation requirements of article 625 NEC shall apply.

Contractor Signature: _____

Date: _____

Provide color photos below of the following:

Existing Service, Disconnect, Panelboard(s) (cover on and off), Proposed EVSE Location, EVSE Charger