



SOLAR PV & ESS PERMIT WORKSHEET

This worksheet may be used for roof-mount Residential Solar-PV systems that are less than 15 Kwdc and Energy Storage Systems that are 80 Kwh (or less) and installed in a detached garage, shed, or other accessory structure, or installed on the exterior of a structure. No plans are required when the project complies with the following:

Please check the box for the appropriate answer for each question

PV-system Maximum DC voltage, Conductor, Conduit and OCPD s

1. PV source circuit maximum Voc does not exceed 600v.
2. PV backfeed breaker is at opposite end of main breaker and does not exceed 120% of the busbar rating of the main Service panel. (CEC 705.12).
3. All Conductor Ampacity is at least 125% of continuous current, and are THHN/THWN copper conductors in appropriate size conduit for number Of conductors. (CEC 215.2 (A) (1), 300.17).
4. EGC meets code requirements for minimum size (CEC Table 250.122)

N/A ☐ Yes ☐ No ☐

N/A ☐ Yes ☐ No ☐

N/A ☐ Yes ☐ No ☐

N/A ☐ Yes ☐ No ☐

PV-modules, fire setbacks, inverter/equipment listing, location, & labels

1. Modules are not located closer than 3' to a bedroom egress window.
(This applies to 2-story homes only)
2. When not located on detached garages, modules have at least a 3' setback At ridges and along sides of roof for fire department operations.
3. All PV equipment is located within sight and as close as practical to main electrical Service panel (inverter, fused disconnects, etc.).
Modules are installed on approved structures (permitted structures that have roof construction that are capable of carrying the imposed loads of a PV-system. Modules are installed over an approved roof covering (modules may not be installed on wood-shake roofs).
4. All equipment is UL 1741 listed or otherwise approved by the California Electrical Code, California Fire Code, and the California Residential Code.
5. All required labels will be installed at proper location(s) per 690 and 110 CEC.

N/A ☐ Yes ☐ No ☐

N/A ☐ Yes ☐ No ☐

N/A ☐ Yes ☐ No ☐

N/A ☐ Yes ☐ No ☐

N/A ☐ Yes ☐ No ☐

Energy Storage System equipment, Labels, & location

1. ESS batteries are located not closer than 3' to any openable door Or window that leads directly into a residence.
2. ESS batteries are separated from each other a minimum of 3'
3. Total kWh does not exceed 80 for any one location or property.

N/A ☐ Yes ☐ No ☐

N/A ☐ Yes ☐ No ☐

N/A ☐ Yes ☐ No ☐

4. All batteries are located in a detached garage or on the exterior of the residence.
5. An emergency battery disconnect is located within sight and near the main electrical service panel.
6. All required labels will be installed, including a warning label indicating A second, third, or fourth source of power is on site when utility, PV, ESS, And/or generator power is present.

N/A ☐ Yes ☐ No ☐

N/A ☐ Yes ☐ No ☐

N/A ☐ Yes ☐ No ☐

SIGNATURE/DATE