



**ELIGIBILITY CHECKLIST FOR EXPEDITED SMALL RESIDENTIAL ROOFTOP SOLAR
SYSTEM PERMIT**

GENERAL REQUIREMENTS

- A. System size is 10 kW AC CEC rating or less Y N
- B. The solar array is roof-mounted on one- or two-family dwelling or accessory structure Y N
- C. The solar panel/module arrays will not exceed the maximum legal building height Y N
- D. Solar system is utility interactive and without battery storage Y N
- E. Permit application is completed and attached Y N

ELECTRICAL REQUIREMENTS

- A. No more than four photovoltaic module strings are connected to each Maximum Power Point Tracking (MPPT) input where source circuit fusing is included in the inverter Y N
 - 1) No more than two strings per MPPT input where source circuit fusing is not included Y N
 - 2) Fuses (if needed) are rated to the series fuse rating of the PV module Y N
 - 3) No more than one noninverter-integrated DC combiner is utilized per inverter Y N
- B. For central inverter systems: No more than two inverters are utilized Y N
- C. the PV system is interconnected to a single-phase AC service panel of nominal 120/220 Vac with a bus bar rating of 225 A or less Y N
- D. the PV system is connected to the load side of the utility distribution equipment Y N
- E. A Solar PV Standard Plan and supporting documentation is completed and attached Y N

STRUCTURAL REQUIREMENTS

- A. A completed Structural Criteria for the specific roof structure and proposed racking system to be used with supporting documentation are attached Y N

FIRE SAFETY REQUIREMENTS

- A. Clear access pathways provided Y N
- B. Fire classification solar system is provided Y N
- C. All required markings and labels are provided Y N
- D. A diagram of the roof layout of all panels, modules, clear access pathways and approximate locations of electrical disconnecting means and roof access points is completed and attached Y N

Notes:

1. *These criteria are intended for expedited solar permitting process.*
2. *If any items are checked NO, revise design to fit within Eligibility Checklist, otherwise permit application may go through standard process.*



Building and Safety 760.202.9253

PHOTOVOLTAIC SOLAR PLAN SUBMITTAL REQUIREMENTS

2013 California Electrical Code

Expedited permit review check list for complying systems see the back of this form

Provide two complete sets of signed plans

Provide cut sheets for all equipment (PV modules, Micro or String inverters, disconnects, etc.)

Provide an approved method of flashing all penetrations CRC 903.2, 905.2.8.1, and 905.3.8

Provide complete screening details for installations that require screening

Provide documentation for the method of support; include the span dimensions between supports.

Provide complete Single Line Drawing and detail the following:

1. Main service size in amps, list size of any sub-panels used, **INCLUDE A PHOTO OF THE SERVICE**
2. List the amperage of the PV breaker(s) CEC 690.64 (B) (2)
3. List the quantity of modules per string, strings per inverter, number of inverters per system.
4. Include "cut sheets" for PV modules, inverters, support system, grounding and load centers.
5. String output voltage shall be multiplied by 1.10 (CEC 690.7) string output shall not exceed 600v
6. Local design temperature shall be 111 degrees F. CEC 315.15 (B) (2) (c)
 - Correction factors for roof mounted raceways shall be .58
 - Correction factors for all other raceways shall be .87

List Location of all equipment installed:

1. Show location of conduit runs on roof.
2. Show location of combiner boxes at end of each string and list fuse size if any.
3. Show location of A/C and D/C disconnects,
Note: Point of Connection Disconnect must be readily accessible 690.17
4. Detail panel bonding, how you will bond each panel and the complete system.
5. Show location of inverters and any new panel boards installed (sub-panels)

Safeguards

1. All interconnections between PV panels must be permanently secured and protected against damage (CEC 300.4) No loose conductors hanging under panels.
2. All connections between strings must be in metal conduit (CEC 300.3, 352.12 C, D 350.12 1, 2)
3. Roofing materials damaged by installation shall be replaced.
4. All equipment shall maintain required clearances, and fire department required access on rooftop
5. Labeling shall be per. CEC; 690.5(C), 690.7(E), 690.9(C), 690.17(4), 690.35(F) 690.64(B) (7)