

Solar Permit Pre-Approval Checklist

SolarAPP PV Eligibility 4/26/2021

System

- New Rooftop Residential PV Systems Only
- Installed by contractor with all licenses required by jurisdiction
- No building integrated solar systems

Electrical

- Limited to 2017 NEC
- 600V Max per DC System Size
- Single phase only
- No Aluminum Wires
- Must Use 600V rated PV wire (due to outer diameter > 0.24" (6.1mm))
- Must use 90 deg C rated insulated wire
- Height of rooftop conduit > = 7/8"
- Max 2 DC strings in parallel
- Max 9 current carrying conductors in a raceway
- Inverter output circuit conductors must be THWN-2, or listed NM
- Terminals must be rated to 75 deg C, labeled for use with Cu wires, and accept minimum 8 AWG wire
- If using microinverter, 1 module per microinverter
- Permitted to install on up to or equal to 400A Service
- Permitted to install on up to or equal to 225A Service Disconnect
- Permitted to install on up to or equal to 225A busbars
- No existing PV on site
- May install only 1 module type
- May install only 1 racking system type
- May install up to 2 Inverters for String Inverters, up to 1 inverter type for Micro-inverters and AC modules Systems
- Conduit may not be Schedule 80 PVC
- Single Family Dwelling Only
- Modules and Inverters must be listed on CEC
- Rapid Shutdown cannot be satisfied using the method: No exposed wiring or conductive parts [690.12(B)(2)(3)]
- Flat Plate PV Modules Only
- No trenching allowed
- All power production inverter outputs have the same point of connection

Structural

- 2018 IBC
- PV system + hardware weight is less than or equal to 4psf
- Limited to 10" above the roof for pitched (>2/12) roof
- No metal roof or low-slope roof in areas with > 15psf snow load
- No wood shake or wood shingle roofing
- No carports or non-permanent structures
- No ground mounted systems
- Only one type of mounting hardware system per project

Fire

- 2018 IRC