SAN JOAQUIN COUNTY
Greatness grows here.

Community Development Department

Planning · Building · Code Enforcement · Fire Prevention

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SolarAPP+ Eligibility Checklist

All of the following items must be verified in order to use SolarAPP+	Check Box
General	
1. New Rooftop Residential PV Systems not larger than 38.4 kilowatts	
2. Installed by licensed contractor	
3. No building integrated solar systems	
4. No existing PV on site	
5. No trenching is required	
6. No ground mounted systems	
7. If installed on a building other than a Single Family Dwelling (garage, carport, patio cover, etc.) the contractor has verified that the structure has been constructed with an approved building permit	
8. No non-permanent structures	
Electrical	
1. Single phase only	
2. No Aluminum Wires	
3. Must Use 600V rated PV wire (due to outer diameter > 0.24" (6.1mm))	
4. Must use 90 deg C rated insulated wire	
5. Height of rooftop conduit > = 7/8"	
6. Max 2 DC strings in parallel	
7. Max 9 current carrying conductors in a raceway	
8. Inverter output circuit conductors must be THWN-2, or listed NM	
9. Terminals must be rated to 75 deg C, labeled for use with Cu wires, and accept minimum 8 AWG wire	
10. If using microinverter, 1 module per microinverter	
11. Permitted to install on up to or equal to 400A Service	
12. Permitted to install on up to or equal to 225A Service Disconnect	
13. Permitted to install on up to or equal to 225A busbars	
14. May install only 1 module type	
15. May install only 1 racking system type	
16. May install up to 2 Inverters for String Inverters, up to 1 inverter type for Micro-inverters and AC modules Systems	
17. Conduit may not be Schedule 80 PVC	
18. Modules and Inverters must be listed on CEC	
19. Rapid Shutdown cannot be satisfied using the method: No exposed wiring or conductive parts [690.12(B)(2)(3)]	
20. Flat Plate PV Modules Only	
21. All power production inverter outputs have the same point of connection	
Structural	
1. Limited to 10” above the roof for pitched (>2/12) roof	
2. PV system + hardware weight is less than or equal to 4psf	
3. No wood shake or wood shingle roofing	
4. Only one type of mounting hardware system per project	