

City of Rocklin Building Division

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RESIDENTIAL PV SYSTEM SUBMITTAL CHECKLIST

PROPERTY ADDRESS					
For	ALL SYSTEMS PROVIDE TWO SETS OF:				
	Electrical schematic diagram of system (module wiring (series/parallel), disconnects, grounding/bonding, wire, conduit type, size, and number of conductors in each section of conduit). Indicate locations of conduits, wire runs and whether they are exposed to the weather. When batteries are to be installed include them in the diagram and there locations/rooms and venting.				
	Site diagram (show arrangement of panels on the roof or ground, location of combiner box, inverter, utility disconnect, main service, show approx. distance from panel to all components, dimension all setbacks to building lines, structures and property lines).				
	Equipment cut sheets including inverters, modules, etc.				
	Label equipment for electrical hazard per CEC sec. 690.17				
	System KW				
	Complete page two of the System Summary sheet.				
For Roof Mounted Systems Provide Two Sets Of:					
	Engineered or listed system for mounting and attachment of system. Include roofing type: composition shingle, tile, shake, etc.				
FOR GROUND MOUNT SYSTEMS PROVIDE TWO SETS OF:					
٥	Engineering (When the total height from ground to top of the array exceeds 6 feet.) for mounting, attachments, and foundation to meet the minimum wind loads. Provide details of attachments, anchors, brackets, photovoltaic panels, and all hardware.				

Residential PV System Summary Worksheet

TYPE OF SYSTEM	:		
	Roof Mount Ground Mount Batteries	<u> </u>	Off-Grid Grid Tie Generator
INVERTER(S) (mi	ust be on State CEC list of approved inverte	rs):	
	Inverter(s): re/Model Number		DC Input Voltage Range Listed for Utility Interconnection: ☐Yes ☐No
Maximum	continuous output power at 40 degrees	s Celsius	
MODULES (must	be on state CEC list of approved modules):		
Total # of modules per inverter:			Manufacture/Model Number
FROM THE MOD	OULE LISTING:		
Open-circu	i system voltage it voltage (VOC) it current (ICS)		Voltage at Pmax Maximum series fuse rating Current a Pmax
-	em voltage = (VOC x #of modules in series m voltage must be less than or equal to the		
ARRAY INFORMA	ATION		
	per of modules ber of modules in each series		Number of parallel source circuits
	rAGE:volts x x number of modules in series)		OPERATING CURRENT: amps (Current at Pmax x number of strings in parallel)
PV Source Circ	UIT AMPACITY (ICS x number of parallel circu	ıits x 1.25) C	EC 690.8A-1, 690.8B-1 and NOTE 2.):
Minimum F	PV source circuit ampacity for conducto	or sizing	
circuit conduct	or ampacity which is 125% of the maxir	mum PV so	on you must determine the minimum source urce circuit current ampacity (CEC 690.8.A-1).

NOTE 1: All wiring rated at 90 degrees and equipment on array side of the inverter must be DC rated.

NOTE 2: Further ampacity adjustments are necessary when more than 3 current carrying conductors are installed in the conduit. See CEC Table 310.15(B) (2) (a)

NOTE 3: PER CEC 690.63 Exception: For dwelling unit, the sum of the ampere ratings of the over current devices shall not exceed 120 percent of the bus bar or conductor.