

Solar PV Inspect	ion Checklist for REI #ELEInstaller
Job Address	City/Township
Manufacturer's sManufacturer's s	entation specifications for the inverter(s) specifications for the module(s) specifications for the optimizer(s) (if used) the racking system grounding and bonding is listed
PV Inverter	
Is the PV syster	n utility-interactive, stand alone or multimode?
Is all the equipn applied? 690.4	nent listed for PV application or be evaluated for the application and have a field label
Is the system so	olidly grounded, ungrounded, or functionally grounded? 690.2 and 690.41
Has DC Ground	l-Fault Protection been provided and properly labeled? 690.41(B)?
	timum PV system voltage and is the maximum 600 volts or less for a dwelling or 1000 non-dwelling or 1500 volts or less when not located on a building? 690.7
Is all listed equi	oment and conductors rated for the maximum voltage? 690.7
	naximum circuit current for the PV Source and Output Circuit; Inverter Output Circuit; ircuit; and DC to DC Converter Output (refer to inverter documentation). 690.8
System Groun	nding
Is all exposed n	on-current carrying metal parts of the PV system grounded? 690.43 and 690.47
Are the mountin	g structures or systems used for equipment grounding? 690.43
	necting devices used for equipment grounding listed and identified and are all perly torqued? 690.43 and 110.14
Are the EGC pro 250.120(C)	operly sized and protected, if exposed not smaller than #6? 690.45, 250.122, and
Has the ground	ng electrode system been installed? 690.47
If both are prese	ent, has the DC grounding electrode system been bonded to the AC GES? 690.47

Wiring Methods and Disconnecting Means
Are the conductor and cable ampacities determined at 125% before adjustment factors? 690.8(B)
☐ How are the PV Source and Output Circuit protected from overcurrent? 690.9
☐ Do AC or DC OCPD's have the appropriate voltage, current and interrupt ratings? 690.9
☐ Has arc-fault circuit protection been provided for DC source and/or output circuits? 690.11
☐ Is a rapid shutdown required and if so, how is it accomplished and identified? 690.12 & 690.56(C)
Are the PV disconnect permanently marked and installed in a readily accessible location? 690.13
Are the Isolating devices or equipment disconnecting means installed in circuits connected to equipment at a location within the equipment, or within sight and 10 feet of the equipment? (Where the maximum circuit current is greater than 30 amperes an equipment disconnecting means shall be provided for isolation.) 690.15
Has the fuse disconnecting means, if required, been installed? 690.15 and 240.40
Are PV source or output circuits > 30 volts in a raceway or guarded if readily accessible? 690.31
☐ Is single conductor cable used outdoors sunlight resistant Type USE-2, Type RHW-2, or listed & labeled PV wire, and properly support and secured? 690.31(C)
Are PV source or output circuits inside a building in a metal raceway and marked? 690.31(D)
Interconnection
Has a plaque or directory been installed at each disconnecting means (capable of interconnection) denoting all electric power sources & power production sources? 705.10
☐ Has the point of connection to other sources been installed per 705.11 or 705.12?
Are the utility interactive inverters connected to the system through a dedicated circuit breaker or fusible disconnecting means? 705.12
Does the bus or conductor ampacity comply with 705.12?
Have all the required labels been applied? (See label list.)