

## Photovoltaic Plan Review Checklist

When submitting plans for electrical permits for photovoltaic systems, the following is a list of information that will need to accompany any application:

1. Site plan to scale. This shall show equipment locations, type and size of conduits and conductors, lengths of runs and a grounding diagram showing electrodes and grounding electrode conductors.
2. A wiring diagram showing all circuitry, equipment, fusing, point of connection, disconnects, array wiring and equipment grounding.
3. Cut sheets and instruction manual for the inverter with the applicable model numbers highlighted and the UL or comparable listing noted.
4. Cut sheets for the PV modules, which need to include VOC rating, ISC rating, P<sub>MAX</sub>, maximum series fuse rating, voltage at P<sub>MAX</sub> and current at P<sub>MAX</sub>.
5. Cut sheets on batteries, if used, and connection diagrams with cable sizes. Identify battery fusing and fuse holders, provide amp hour of battery bank and charge capacity of charge system.
6. Identify wire types and connectors of all cables.
7. Include details for battery storage and venting.
8. Provide details for array mounting and engineering for the supporting structure.
9. Installing contractor and license type and number (provide photocopy of license).
10. PV systems installed on three phase supplied systems must cease to export power on loss of voltage in any phase. Verify that ability.
11. Show all warning signs and their locations.