

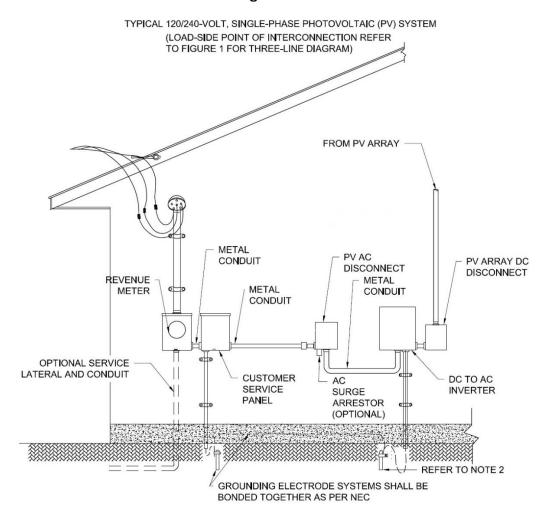
DISTRIBUTED GENERATION GUIDELINES MANUAL DIAGRAM

ELECTRICAL DISTRIBUTION CONSTRUCTION SPECIFICATIONS DIAGRAM



Electrical Distribution Construction Specifications

Figure 1



Notes:

- Inverter output circuit conductor shall be installed in metal raceways from inverter to point of interconnection.
- Grounding electrode system installed as per NEC to include 5/8-inch x 8-foot ground rod as required by HOTEC at all customer service locations.
- The PV DC grounding system shall not be bonded to the AC grounding system by using a combined DC grounding electrode conductor and AC equipment grounding conductor. The contractor may choose to use the option shown above or may install a grounding electrode conductor directly from the inverter grounding electrode terminal to the main service grounding electrode system.
- The PV AC disconnect shall be located immediately adjacent to the revenue meter.
- Labeling and identification of all PV related equipment shall be done in accordance with the NEC.
- Where the point of interconnection is to be made ahead of the service equipment, it shall be made after the HOTEC revenue meter. Such installations must be pre-approved.

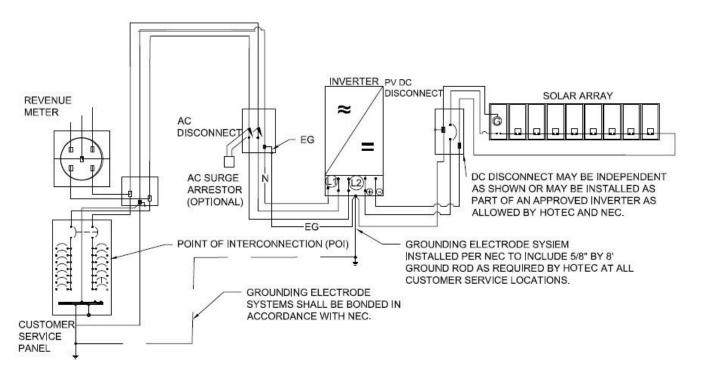
ELECTRICAL DISTRIBUTION CONSTRUCTION SPECIFICATIONS DIAGRAM



Electrical Distribution Construction Specifications

Figure 2

(LINE SIDE POINT OF INTERCONNECTION)



NOTES:

- Typical Interactive PV System Wiring Diagram, for Illustration Purposes Only. Refer to Equipment Manufacturer Literature for Actual Equipment Wiring Recommendations. Installation shall comply with Service Standards and National (NEC, UL, and IEEE) Codes.
- Inverter output circuit conductors shall be installed in continuous metal raceways.
- The PV DC Grounding System shall not be bonded to the AC Grounding System by
 using a Combined DC Grounding Electrode Conductor and AC Equipment Grounding
 Conductor. Contractors may choose to use the option shown above or may install a
 Grounding Electrode Conductor from the inverter directly to the service grounding
 electrode(s).
- The Point of Interconnection shall be made after the HOTEC Revenue Meter in a Junction Box Suitable for the conditions and provided with Locking Provisions. Such installation must be pre-approved by HOTEC.