

**BROWNSVILLE PUBLIC UTILITIES BOARD
SOLAR POWER SYSTEM INTERCONNECTION
RESIDENTIAL CHECKLIST
PRELIMINARY**

General

- System meets BPUB Design Criteria, Interconnection Oneline and Local Ordinances.
- BPUB approved meter can is installed. 200 Amp, Bypass Lever, Aluminum.
- Verify a main building disconnect.
- Every installation must have a OCPD either in the MSP or the main disconnect accessible from the exterior.
- Interconnection at panel (Tandem breakers may be used to rearrange loads)
- Verify OCPD sized correctly for panel main busbar per NEC Articles 690 and 705.
- The fuse size of the disconnect shall be calculated per National Electrical Code (NEC).
- Entire system properly grounded.
- Grounding conductor sized according to code and continuous or irreversibly spliced.
- Installation is consistent with drawings.
- Inverter certified to UL1741. (inverter based generation only)
- All electrical components are listed for voltage and current ratings necessary for application.
- All building penetrations are sealed and fire resistance is maintained.
- All components mounted securely.
- Permanent Labels are applied to system components as required.
- All conduit is properly connected (wrench tight), no loose fittings, no cross threading.
- All work performed in neat and workmanlike manner.
- All conductors properly color coded.
- Conductors shall be in steel conduit both AC and DC.
- Stainless steel fasteners are used on modules and racking.
- Modules are not modified such that it voids the listing or warranty.
- All conductors properly secured above the roof surface.
- All equipment UL listed.
- Complete design package must be submitted to BPUB and COB.
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Validation of System Performance

- Inverter generating correct power?
- Inverter de-energize when disconnected from AC source?
- Inverter does not re-connect for 300 sec after AC source turned back on.

BPUB must be contacted to review specific circumstances that do not allow for installation as indicated on this checklist. Installations then will be reviewed on a case by case basis.



**CUSTOMER CHECKLIST FOR
SOLAR POWER SYSTEM
INTERCONNECTION RESIDENTIAL**

DEVELOPED BY:

STANDARDS
COMMITTEE

APPROVED:

17-Sep-19

DRAWING
NUMBER

ENG - 14