



General PV Specification

PV collectors shall be tested for compliance with UL standard 1703. Modules should be oriented within 45° of true south and tilted at between 20° and 50° from the horizontal (in the continental U.S.) with no significant shading from adjacent trees, structures, etc.

Modules shall be mounted using hardware systems tested and approved for design wind and load conditions at the site. Module roof mounting and necessary penetrations shall be coordinated with and approved by the roofer and/or general contractor to ensure weather-proof integration that does not compromise roof warranties.

Inverters and balance of system components shall be appropriate for grid interconnection and tested for compliance with UL standard 1741. The PV contractor shall be responsible for meeting all utility interconnection requirements including provision of necessary metering, disconnects, etc. The PV system shall comply with Section 690 of the 2008 National Electric Code or other appropriate local standards.

The PV contractor shall coordinate with the general contractor and electrician regarding scopes of work, integration with the building electrical systems, and permitting.

The PV system shall include a user interface that provides readily accessible information to system owners including system status, system faults, power generation, and energy generation over time.

For more information or comments, contact Robb Aldrich at raldrich@swinter.com

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