

REQUIREMENTS FOR PERMITTING SOLAR PHOTOVOLTAIC SYSTEMS

Option 1: FSEC System Approval Certificate listing approved major components and alternates, with identifiers for both the PV modules and PV system design is required for all systems.

OR

Option 2: Mandatory FSEC PV Certification is not required if the system is otherwise certified by an engineer licensed pursuant to Chapter 471 using the standards contained in the most recent version of the Florida Building Code. It is the understanding and interpretation of the Building Official that this requires a statement, letter, or form certifying the system which contains the same information contained within the FSEC certification, including maximum number of module strings, maximum number of modules per string, maximum output, module manufacturer and model number, inverter manufacturer and model number, and battery and charge controller information where applicable. (Ref: 377.705 F.S.)

One-line electrical diagram showing all major field installed electrical components, wire identification and sizing, and grounding.

Major component information:

- Inverter information
- Module information
- Battery information (if used)
- Charge controller information (if used)

Array Information:

- General layout of array
- Number of panels in series
- Number of parallel source circuits
- Total number of panels
- Operating voltage (sum of series modules operating voltage in source circuit)
- Operating current (sum of parallel source circuit operating currents)
- Maximum system voltage
- Short-circuit current

Grounding:

- Equipment grounding conductor sizing
- Grounding electrode system and grounding electrode conductor

Array Mounting:

- Is array ground mounted or roof mounted?

Raised seal engineering (if hard copy) or digital sealed (if e-Filed) certifying that the module and rack system will meet the 139 V-ULT in mph, as required by Section 1609.3 of the current Florida Building Code. Drawings to include structural detail, panel layout sheets and hardware details.

Engineer is to certify that the building and site elements are capable of supporting the increase loads imposed by the solar components and do not exceed the live or dead loads of the building or roof.