Photovoltaic System Certification Application

Applicant Information

Primary Contact (Required)

Name: _____ Address: _____

Company: _____ City: _____ State: ___ Zip Code: _____

Telephone: _____ E-Mail: _____ Web Site: _____

Technical Contact (If Different)

Name: _____ Address: _____

Company: _____ City: _____ State: ___ Zip Code: _____

Telephone: _____ E-Mail: _____ Web Site: _____

General

System Designation: _____ Total Nameplate Rating: _____ W

System Type: ◯ Utility Interactive   ◯ Stand Alone   ◯ Other: _____

Photovoltaic Array

Primary Module (Required)

Manufacturer: _____ Model Number: _____ Registration Number*: _____ Nameplate Rating: ___ W

Quantity: _____ Number of Series Strings/Branch Circuits: _____ Number of Modules per Series String/Branch Circuit: _____

Secondary Module (If Used)

Manufacturer: _____ Model Number: _____ Registration Number*: _____ Nameplate Rating: ___ W

Quantity: _____ Number of Series Strings/Branch Circuits: _____ Number of Modules per Series String/Branch Circuit: _____

*Modules must have an FSEC Module Registration Number. Registration Numbers can be found at: http://www.fsec.ucf.edu/en/certification-testing/PVmodules/certified_modules/
If a module is not listed, please refer to the module approval process found at: http://www.fsec.ucf.edu/en/certification-testing/PVmodules/

Power Conditioning

Primary Inverter (If Used)

Manufacturer: _____ Model Number: _____ Quantity: _____ Type: ◯ Central Inverter ◯ Microinverter

Maximum DC Input Power: _____ W Maximum DC Input Current: _____ A DC Input Voltage Range: Min: _____ Max: _____

AC Nominal Output Power: _____ W AC Maximum Output Current: _____ A at: ◯120V ◯208V ◯240V ◯277V

Secondary Inverter (If Used)

Manufacturer: _____ Model Number: _____ Quantity: _____ Type: ◯ Central Inverter ◯ Microinverter

Maximum DC Input Power: _____ W Maximum DC Input Current: _____ A DC Input Voltage Range: Min: _____ Max: _____

AC Nominal Output Power: _____ W AC Maximum Output Current: _____ A at: ◯120V ◯208V ◯240V ◯277V

Battery Back-Up

Charge Controller (If Used)

Manufacturer: _____ Model Number: _____ Listing to UL 1741 Verified: ◯ Yes ◯ No

Battery Bank (If Used)

Battery Manufacturer: _____ Model Number: _____ Type: ◯ Flooded ◯ Sealed ◯ GEL ◯ AGM

Total Number of Batteries: ___ Number of Series Strings: ___ Number of Batteries per Series String: ___ Capacity (C/20 rate): ___ Ah

Electrical Schematic

A **comprehensive** and **legible three line** electrical diagram **accurately representing** the **complete PV system** must be submitted in PDF file format. As this is the most important document considered in the review, please check that it includes the following minimum requirements before submission:

- [ ] Manufacturer and model number of all PV modules, inverters, charge controllers, and batteries
- [ ] The size, type, and maximum run length of all conductors
- [ ] PV module wiring
- [ ] PV module equipment grounding
- [ ] System grounding
- [ ] Battery wiring (if applicable)
- [ ] The size/rating and location of all overcurrent protection devices (e.g. fuses and circuit breakers)
- [ ] The rating and location of all disconnects
- [ ] Point of connection to the utility (if applicable)
- [ ] Compliance with National Electric Code

Voltage Drop Table

Additional Documentation

Please submit the following required documentation in PDF file format with your application:

- [ ] Electrical schematic (as detailed above)
- [ ] Manufacturer's data sheet for all PV modules
- [ ] Manufacturer's data sheet for all inverters
- [ ] Manufacturer's data sheet for charge controller (if applicable)
- [ ] Manufacturer's data sheet for batteries (if applicable)

Submission Information

The completed application and documentation must be E-mailed in PDF file format to **pvsystem@fsec.ucf.edu**. If the Submit button below does not work with your browser, save this application to your computer and then fill it out using Adobe Acrobat Reader (available at **http://get.adobe.com/reader/**).

Do not send payment until an invoice has been received. After an application packet is received and passes a basic check for completeness, FSEC will return an invoice by E-mail. Payment of the non-refundable certification fee is required to start the design review process. To ensure proper credit, the invoice number must be referenced on any form of payment. The fee schedule is available at: **http://www.fsec.ucf.edu/en/publications/pdf/PV_Test_Cert_Fees.pdf**

Upon receipt of the completed application, all data sheets, the electrical schematic, and full payment, a response will be provided within twenty business days (not including holidays or any other days during which FSEC is closed.) The response time starts anew upon each submitted revision.