

# JEA Application for Interconnection of Distributed Generation System Greater than 100 kW and Less than or Equal to 2 MW



**IMPORTANT:** Interconnection of a distributed generation system and/or energy storage system to JEA's distribution grid requires **JEA's Application Pre-Approval** prior to the start of the installation or construction and **Installed System Approval** prior to the start of its operation.

Approval for interconnection to JEA's distribution grid requires the following:

- 1) JEA **must receive and approve** all required documents listed in **Documentation** (Section 7).
- 2) An application fee of \$1,000 paid to JEA.
- 3) General liability insurance of \$2 million.
- 4) The distributed generation system and/or energy storage system must pass JEA on-site inspection.

Customer should review the **JEA Distributed Generation Policy** prior to submitting this application. Customer is responsible for any costs that may be incurred with the services that required the utilization of additional JEA engineers. Customer is responsible for having covers and/or panels removed for inspection.

## 1. JEA CUSTOMER INFORMATION

Account Holder Name: \_\_\_\_\_ JEA Account #: \_\_\_\_\_  
Service Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Account is:  Residential  Commercial  
Phone #: \_\_\_\_\_ Other #: \_\_\_\_\_ Email: \_\_\_\_\_

## 2. GENERATION SYSTEM INFORMATION

New Generation System?  Yes  No (Skip to Section 3)  
Generation source:  Solar (PV)  Wind  Bio-mass  Other: \_\_\_\_\_  
Manufacturer Gross Output Power Rating of System (kW<sub>DC</sub>): \_\_\_\_\_ Number of Solar Panels: \_\_\_\_\_  
Panel Manufacturer: \_\_\_\_\_ Inverter Manufacturer: \_\_\_\_\_  
Number of Inverters: \_\_\_\_\_ All Inverters UL 1741 SA Listed?  Yes  No

## 3. ENERGY STORAGE SYSTEM INFORMATION

Energy storage system (battery) included?  Yes  No (Skip to Section 4)  
Manufacturer: \_\_\_\_\_ Usable storage capacity: \_\_\_\_\_ kWh Peak output: \_\_\_\_\_ kW  
Guaranteed lifetime cycles: \_\_\_\_\_ Guaranteed lifetime years: \_\_\_\_\_ Battery Chemistry: \_\_\_\_\_  
Total Generation(s) and/or Storage(s) Gross Output: \_\_\_\_\_ kW<sub>DC</sub>  
*(For multiple generations/storages, submit application for each individually)*

## 4. CONTRACTOR INFORMATION

Installation Contractor: \_\_\_\_\_ Florida License #: \_\_\_\_\_  
Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_ Email: \_\_\_\_\_  
Electric Contractor: \_\_\_\_\_ Florida License #: \_\_\_\_\_  
Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_ Email: \_\_\_\_\_

## 5. ELECTRICAL ENGINEER OF RECORD INFORMATION

Professional Engineer Name: \_\_\_\_\_ Florida PE License #: \_\_\_\_\_  
Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Phone #: \_\_\_\_\_ Other #: \_\_\_\_\_ Email: \_\_\_\_\_

**By signing below, I hereby certify that I am the JEA Account Holder, that all the information provided in this application is true and correct to the best of my knowledge and that I have read and understand the JEA Distributed Generation Policy.**

Signature: \_\_\_\_\_ Name (Print): \_\_\_\_\_ Date: \_\_\_\_\_

**6. SYSTEM INSTALLATION AND INSPECTION CHECKLIST**

**Check all the boxes that apply and mark "N/A" over the boxes if the items are not applicable.**

- System hardware must be in compliance with the latest and all approved revisions of UL Standard 1741, UL Standard 1741 SA and IEEE Standard 1547.
- System hardware must be in compliance with any of the following applicable standard(s): IEEE Standard 929, IEEE Standard 1262 and/or UL Standard 1703 (*mark N/A, if none is applicable*).
- System installation must be in compliance with all relevant articles of the National Electric Code (particularly Article 690) and subsequent revisions, all local building and electrical code and the latest revision JEA Electric Systems Procedure ES 20202 902 DER Facilities.
- The electric permit must be finalized by the local permit authority.
- All required documentation must have been received by JEA before JEA schedules the on-site inspection.
- The system must be tested by the installer for proper operation before calling for JEA on-site inspection.
- An external manual AC disconnect switch for the generation system should be placed within 5 feet of the JEA meter so they can be accessed at any time, if physically possible.
- If the system includes energy storage, a separate external manual AC disconnect switch for the energy storage system must be placed next to the generation system external manual AC disconnect switch.
- If any of the required external manual AC disconnect switches cannot be located within 5 feet of the meter, customer must provide a sign and permanently mount it next to the meter clearly stating the location(s) of the AC disconnect switch(es). The customer provided sign must be made of hard plastic, metal or weatherproof vinyl, 6" X 6" minimum with red background and 3/8" minimum white lettering.
- A JEA provided sign stating "Generation System Disconnect" and, if energy storage system is included, a JEA provided sign stating "Energy Storage System Disconnect" must be permanently mounted by the installer at the respective locations of the external manual AC disconnect switches.
- The external manual AC disconnect switch for the generation system and, if energy storage is included, the separate external manual AC disconnect switch for the energy storage system must be in the open position (OFF) until JEA inspects the system and changes the meter for a two-register meter. **Do not energize the generation system and, if energy storage is included, the energy storage system, and do not export energy to JEA before JEA installs the new two register meter. The current meter may reverse register direction and activate anti-theft signals to JEA.**
- All other breakers for the generation system or the energy storage system should be in the ON position. The JEA inspector cannot test the generation system or the energy storage system if they are not in the ON position.
- After JEA installs the two-register meter, JEA will leave the external disconnect switch(es) in OFF position. The customer must put the external manual AC disconnect switch(es) in ON for the generation system and battery storage system to work.
- JEA does not allow coupler or splices to be installed on the conductor in the meter can. JEA does not allow an adapter for PV connection. JEA will allow the landing of secondary conductors via approved terminating lugs on the load side of the meter in accordance with NEC and the local inspection authority.
- If an energy storage system is included, the JEA inspector will verify the nameplate data, confirm that the system is connected per the previously provided one-line electrical diagram and the JEA provided energy storage disconnect sign is properly located at the required external manual AC disconnect switch).
- My JEA Utility Tracker is not available to customers with generation systems.

**By checking all boxes that apply and by signing below, I hereby certify that I am the JEA Account Holder and that I have read, understand and agree to all requirements and procedures on Section 6 – System Installation and Inspection Checklist.**

Signature: \_\_\_\_\_ Name (Print): \_\_\_\_\_ Date: \_\_\_\_\_

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## 7. DOCUMENTATION *(Initial to certify that documents are submitted together with this application)*

(a) Required **Application Pre-Approval** documents to be submitted together with this application:

- Application for Interconnection
- Interconnection Agreement
- Application fee of \$1,000
- Proof of general liability insurance of \$2 million
- IRS Form W-9
- One-line electric diagram, if generation system include energy storage system *(mark N/A, if not applicable)*
- Energy storage system technical specification sheet(s) *(mark N/A, if not applicable)*

(b) Required **Installed System Approval** documents to be submitted before JEA on-site inspection:

- Site survey clearly showing location of generation and/or battery system, inverter, disconnect switch(es)
- Finalized Electric Permit
- System comply with National Electric Code (particularly Article 690) and all local electric and building codes
- System comply UL Standard 1741 and UL Standard 1741 SA
- System comply UL Standard 1703 *(mark N/A, if not applicable)*
- System comply IEEE Standard 929 *(mark N/A, if not applicable)*
- System comply IEEE Standard 1262 *(mark N/A, if not applicable)*
- Completed and Signed System Installation and Inspection Checklist (Page 2)

**By signing below, I hereby certify that I am the JEA Account Holder, that I have submitted with this application all the required documentation listed in Section 7(a) and that I will submit all the required documentation listed in Section 7(b) prior to JEA on-site inspection.**

Signature:  Name (Print):  Date:

Address:  City:  State:  Zip: