

Simplified Interconnection Application Certified Inverter-Based Generating Facilities
With an Export Capacity up to and including 25 kWAC
and a Nameplate Rating not exceeding 50 kW

This Application is considered complete when it provides all applicable and correct information required below. Additional information to evaluate the Application may be required.

Processing Fee

A fee of $150 must accompany this Application.

Interconnection Customer

Name:

Contact Person:

Address:

City: State: Zip:

Telephone (Day): (Evening):

Fax: E-Mail Address: Engineering

Firm (If Applicable):

Contact Person:

Address:

City: Lovington, State: Zip:

Telephone:

Fax: E-Mail Address:

Contact (if different from Interconnection Customer) Name:

Address:

City: State: Zip:

Telephone (Day): (Evening): Fax:

E-Mail Address:

Owner of the facility (include % ownership by any electric utility):

Generating Facility Information: Location (if different from above):

Electric Service Company: Lea County Electric Cooperative, Inc.

Account Number:

Inverter Information:

Inverter Manufacturer:__ Model Nameplate Rating: (kW) (kVA) (AC Volts)

Export Capacity Value (in kW) (if Export Capacity is less than Nameplate Rating, denote export controls below):

_____

Single Phase_____Three Phase_____

Prime Mover: Photovoltaic, Reciprocating Engine, Fuel Cell, Turbine, Storage Batteries, Other (describe)

Energy Source: Solar, Wind, Hydro, Diesel, Natural Gas, Fuel Oil, Other (describe)

Is the equipment UL1741 Listed? Yes_____ No

If Yes, attach manufacturer's cut-sheet showing UL1741 listing

Estimated Installation Date:_____Estimated In-Service Date: _____

Limited Export and Non-Export Controls Information

Manufacturer: _____

Model Number: _____

Limited Export or Non-Export? ☐ Limited Export ☐ Non-Export

Control Type:

_____ Reverse Power Protection

_____ Minimum Power Protection

_____ Relative Distributed Energy Resource Rating

_____ Configured Power Rating



_____ Power Control System

_____ Directional Power Protection

_____ Export Control using mutually agreed-upon means

Control Power Setting: _____

Control Power Time Delay (if any): _____

Power Control System Open-Loop Response Time: Maximum _____ Average _____

When grid-connected, will the PCS employ any of the following? [Select all that apply]

- ☐ Unrestricted mode
- ☐ Export only mode
- ☐ Import only mode
- ☐ No exchange mode
- ☐ Export-limiting from all sources
- ☐ Export limiting from ESS
- ☐ Import limiting to ESS

Battery Storage Facility Information (If Applicable)

Do the batteries share an inverter with a renewable energy system? ☐ Yes ☐ No

Does the applicant intend to have the batteries charged by the distribution grid? ☐ Yes ☐ No

System Manufacturer: _____

Model: _____

Battery System Charge/Discharge Rating (kW AC): _____

Maximum Battery System Charge/Discharge Rate (kW AC per second): _____

Battery Energy Capacity (kWh): _____

Battery Operational Information

Backup – allows for partial or whole home transition to off-grid during a grid outage ☐ Yes ☐ No

Solar Self-Powered – the battery will charge from the renewable energy source during normal operation and discharge to serve loads behind your meter ☐ Yes ☐ No

Solar Non-Export – limits the export of energy to the grid to zero for both the battery and solar inverter, even if the battery

system is fully charged and there is excess renewable source energy ☐ Yes ☐ No

Time-Based Control (sometimes called time-of-use or TOU mode) – the battery charges during off-peak hours and discharges to serve onsite loads during on-peak hours. ☐ Yes ☐ No

Describe any other intended operation of the battery: _____

_____

Reference Point of Applicability (RPA) Designation

Where is the desired RPA location? [Check one]

- ☐ Point of DER connection (PoC)
- ☐ Point of interconnection / point of common coupling (PCC)
- ☐ Another point between PoC and PCC
- ☐ Different RPAs for different DER units

Is the RPA location the same as above for detection of abnormal voltage, faults and open-phase conditions?

- ☐ Yes
- ☐ No (detection location must be denoted in the one-line diagram)

Why does this DER fit the chosen RPA? [Check all that apply]

- ☐ Zero-sequence continuity between PCC and PoC is maintained
- ☐ The DER aggregate Nameplate Rating is less than 500 kVA
- ☐ Annual average load demand is greater than 10% of the aggregate DER Nameplate Rating, and it is not capable of, or is prevented from, exporting more than 500 kVA for longer than 30 seconds.

General Information

Enclose copy of site electrical one-line diagram showing the configuration of all Generating Facility equipment, Reference Point of Applicability, current and potential circuits, and protection and control schemes.

Enclose copy of any site documentation that indicates the precise physical location of the proposed Generating Facility (e.g., USGS topographic map or other diagram or documentation).

Enclose a copy of specification sheets for all applicable interface and control equipment, e.g., inverters, energy storage system, gateway, plant controller, automatic transfer switch and power control system. Are specification sheets enclosed?

___Yes_____No

The Simplified Process is available only for inverter-based Generating Facilities that have a nameplate rating that does not exceed 50 kilowatts (kW) and an export capacity that does not exceed 25 kilowatts (kW) and that meet the codes, standards, and certification requirements of Title 17.9.575.12, or the QRU has reviewed the design or tested the proposed Generating Facility and is satisfied that it is safe to operate.

List components of the Generating Facility equipment package that are currently certified:

Equipment Type Certifying Entity 1.

2.

3.

4.

5.

Interconnection Customer Signature

I hereby certify that, to the best of my knowledge, the information provided in this Application is true. I agree to abide by the Terms and Conditions for Interconnecting an Inverter-Based Generating Facility with a nameplate rating that does not exceed 50 kilowatts (kW) and an export capacity that does not exceed 25 kilowatts (kW) and return the notice of completion when the Generating Facility has been installed.

Signed:_____ Title:___ Date:___

Utility Signature

The undersigned Utility agrees to abide by the Terms and Conditions and that optional paragraph 6.0 Indemnification ÿ applies ÿ does not apply.

Signed:_____

Title:_____

Date:_____