# Delaware Electric Cooperative
# Generator Interconnection Application – Short Form
(For Use with Generators less than 100 kW DC)

An applicant (Generator Owner) makes application to Delaware Electric Cooperative to install and operate a generating facility less than 100 kW DC and interconnected with the Delaware Electric Cooperative utility system.

## Section 1, Applicant Information Directly Interconnected to the Generating System

**Is the following system:** ☐ **Leased** **or** ☒ **Member Owned**

**Type of Application:** ☒ **Initial** **or** ☐ **Addition/Upgrade**

Name: Steven Krebs

Mailing Address: 14443 Shiloh Church Road

City: Laurel State: DE ZipCode: 19808

Email Address: sskhak92465@yahoo.com

Facility Location (if different from above): _____

Telephone: Area Code 302 Number 519-004 (Evening) Area Code _____ Number _____

Delaware Electric Cooperative Account No.: 59222107 Rate Code: 1E1

## Section 2, Equipment Contractor

Name: Liberty

Mailing Address: 5700 Kirkwood Highway

City: Wilmington State: DE ZipCode: 19808

Email Address: solar@goliberty.co Telephone (Daytime): Area Code 302 Number 660-2187

## Section 3, General Service Requirements

If different from the existing service, what size service will the generation facility require?

☒ 200A ☐ 400A ☐ 600A ☐ 800A

If this is a new account for a Solar System, what Voltage/Phase will be required?

☒ 120/240V-1Ph ☐ 120/208V-1Ph ☐ 120/208V-3Ph ☐ 277/480V-3Ph

## Section 4, Application Fee

This application fee is applicable for all new PV applications received on or after May 20, 2016. The cost will be $50.00 per application (new and/or upgrade) for systems 25 kW DC or less. For systems over 25 kW DC the fee will be $50.00 plus $1.00 kW DC over 25 kW DC. All interconnection applications submitted to DEC shall be accompanied with the appropriate fee made out to Delaware Electric Cooperative and are non-refundable. No applications will be considered without the fee.

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**Section 5, Generator Type**

Is Generator powered from a Renewable Energy Source: [X] Yes No [ ]

Type of Energy Source (if applicable): [X] Solar [ ] Wind [ ] Other _____

Other generator energy source: [ ] Diesel [ ] Natural Gas [ ] Fuel Oil Other: _____

Will excess power be exported to Delaware Electric Cooperative? [X] Yes No [ ]

(Typical) Maximum Export: 3.0 kW DC/AC

2 Yr. Avg. Annual Usage (kWh): 18,228 Forecast Annual kWh: 13,797

(Note: The Annual Forecast MUST be completed using **4.5 peak sun light hours per days**)

**Section 5, Generator Technical Information**

Please fill out the Initial Rating information if there is currently no generating facility on-site. If adding a generating facility to an existing facility, fill out the Initial Rating Information, the Added Rating Information and the Total Rating Information

Generator (or solar collector) Manufacturer, Model Name & Number: Solarworld 280 Mono
**(A copy of Generator Nameplate and Manufacturer's Specification Sheet may be substituted)**

Inverter Manufacturer, Model Name & Number (if used): Fronius Primo 8.2
**(A copy of Inverter Nameplate and Manufacturer's Specification Sheet may be substituted)**

Initial Rating:
DC System Design Capacity: 8.4 (kW) _____ (kVA)
Inverter Capacity: 8.2 (Maximum AC kW)
AC System Design Capacity: 8.2 (kW) _____ (kVA)

Added Rating:
DC System Design Capacity: _____ (kW) _____ (kVA)
Inverter Capacity: _____ (Maximum AC kW)
AC System Design Capacity: _____ (kW) _____ (kVA)

Total Rating (Existing and New):
DC System Design Capacity: 8.4 (kW) _____ (kVA)
Inverter Capacity: 8.2 (Maximum AC kW)
AC System Design Capacity: 8.2 (kW) _____ (kVA)

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**Generator Disconnect Switch:**
A lockable disconnect device shall be installed within 3 feet of the DEC meter and accessible at all times by DEC personnel, by and at the cost of the owner.

## Section 6, Generator/Equipment Certification

Generating systems that utilize inverter technology must be compliant with *IEEE 929* and *Underwriters Lab. UL 1741.* Generating systems that use a rotating machine must be compliant with Delaware Electric Co-op's *Technical Requirements For Parallel Operation of Member Owned Generation* document. **By signing below, the Applicant certifies that the installed generating equipment meets the appropriate preceding requirement(s) and can supply documentation that confirms compliance.**

Name (print): Steve Krebbs Date: 3-27-17

Signed (Applicant): _____

## Section 7, Aggregated Meter Information (If Applicable)

***The following aggregated accounts shall be ranked according to the order in which credits shall be applied*** (We don't apply the credit; however, DEC may elect to make payment to the account serving the Generating System) Additionally, the following accounts must be active accounts and will be used to determine the total 2-year Annual Average kWh to ensure the new system is in compliance with DEC tariff.

1 - DEC Member Name _____ Rate Code: _____

DEC Account No.:_____ Capacity (DEC):_____ 2 Yr Annual Average kWh:_____

2 - DEC Member Name _____ Rate Code: _____

DEC Account No.:_____ Capacity (DEC):_____ 2 Yr Annual Average kWh: _____

3 - DEC Member Name _____ Rate Code: _____

DEC Account No.:_____ Capacity (DEC):_____ 2 Yr Annual Average kWh: _____

4 - DEC Member Name _____ Rate Code: _____

DEC Account No.:_____ Capacity (DEC):_____ 2 Yr Annual Average kWh: _____

*Any additional meters associated with this aggregated system must be supplied on a separate sheet in the same format.*

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**Prior to installation send the completed Pages 1-3 to Delaware Electric Cooperative, Attn: Troy Dickerson, Manager of Engineering: Phone: (302) 349-3125 Email: tdickerson@decoop.com or mail to P.O. Box 600 Greenwood, DE 19950**

## Section 8, PRELIMINARY Approval to Proceed with Interconnection

Delaware Electric Cooperative: ☐ Has Approved ☐ Has Not Approved this Preliminary Application.

Name :_____ Date: _____

Signature: _____

Reason of Not Approving: _____

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