OCALA ELECTRIC UTILITY OCALA, FLORIDA FIRST REVISED SHEET NO. 19.0 CANCELS ORIGINAL SHEET NO. 19.0

APPLICATION FOR INTERCONNECTION OF CUSTOMER-OWNED RENEWABLE GENERATION SYSTEMS

TIER 1 - Ten (10) kW or Less

1. Customer Information

TIER 2 - Greater than 10 kW and Less Than or Equal to 100 kW

TIER 3 - Greater than 100 kW and Less Than or Equal to Two (2) MW

Note: These customer-owned renewable generation system size limits may be subject to a cumulative enrollment limit on net-metering customers located in the area served by the City of Ocala Electric Utility. Please refer to the Ocala Electric Utility Net-Metering Rate Schedule.

Ocala Electric Utility customers who install customer-owned renewable generation systems (RGS) and desire to interconnect those facilities with the Ocala Electric Utility system are required to complete this application. When the completed application and fees are returned to Ocala Electric Utility, the process of completing the appropriate Tier 1, Tier 2 or Tier 3 Interconnection Agreement can begin. This application and copies of the Interconnection Agreements may be obtained at Ocala Electric Utility, located at 201 SE 3rd Street, Ocala, Florida 34471, or may be requested by email from OEU@ocalafl.org.

Name: Nilmarie Lugo Cuevas Mailing Address: 5420 NE Jacksonville Rd State: FL Zip Code: 34479 City: Ocala (787) 604-3761 Alternate Phone Number: Phone Number: Email Address: tony.nismo@hotmail.com Fax Number: Ocala Electric Utility Customer Account Number: 565348-241381 2. RGS Facility Information Facility Location: 5420 NE Jacksonville Rd Ocala FL 34479 Ocala Electric Utility Customer Account Number: 565348-241381 RGS Manufacturer: Jinko Solar Manufacturer's Address: 4660 New World Avenue, Jacksonville, FL 32221 Reference or Model Number: JKM420N-54HL4-B (420W) Serial Number:

(Continued on Sheet No.19.1)

Issued by: Michael Poucher, P.E. Electric Utility Director

OCALA ELECTRIC UTILITY OCALA, FLORIDA (Continue from Sheet No. 19.0)

FIRST REVISED SHEET NO. 19.1 CANCELS ORIGINAL SHEET NO. 19.1

3.	Facility	Rating	Information
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		Rating:	4.28	(01000	power	rating"	means	the	total r	nanuf	acturer's	AC
name	olate gen	erating ca	apacity of ar	n on-site cus	tomer-o	wned re	enewabl	e gene	eration	syste	m that w	ill be
interc	onnected	to and	operate in	parallel with	n Ocala	Electri	c Utilit	v's di	stribut	ion fa	acilities.	For
invert	er-based	systems,	the AC nar	meplate gen	erating c	apacity	shall b	e calc	ulated	by m	ultinlyin	o the
total i	nstalled	DC nam m DC to	eplate gene	rating capac	city by 0).85 in	order to	acco	ount fo	r loss	es during	g the
Fuel o	r Energy	Source:	Solar	Photovolta	aic							
Antici	pated In	- Service	Date:	7/10/2024								

4. Application Fee

The application fee is based on the Gross Power Rating and must be submitted with this application. The non-refundable application fee is \$375 for Tier 2 and \$750 for Tier 3 installations. There is no application fee for Tier 1 installations.

5. Interconnection Study Fee

For Tier 3 installations, a deposit in the amount of the estimated costs of the study (to be determined at time of application) must be paid along with this application in addition to the application fee referenced in Article 4 above. This deposit will be applied toward the cost of an interconnection study. The customer will be responsible for the actual costs of the study. Should the actual cost of the study be less than the deposit, the difference will be refunded to the customer. Customer agrees to comply with all interconnection requirements identified in the interconnection study report.

6. Required Documentation

Prior to completion of the Interconnection Agreement, the following information must be provided to the Ocala Electric Utility by the customer.

- A. Documentation demonstrating that the installation complies with (or most current version at time of inspection approval):
 - 1. IEEE 1547 (2018) Standard for Interconnecting Distributed Resources with Electric Power Systems.
 - 2. IEEE 1547.1 (2005) Standard Conformance Test Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems.
 - 3. UL 1741 (2010) Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed Energy Resources.

(Continued on Sheet No. 19.2)

Effective: October 1, 2019

Issued by: Michael Poucher, P.E. **Electric Utility Director** OCALA ELECTRIC UTILITY OCALA, FLORIDA (Continued from Sheet No. 19.1) FIRST REVISED SHEET NO. 19.2 CANCELS ORIGINAL SHEET NO. 19.2

B. Documentation that the customer-owned renewable generation has been inspected and approved by local code officials prior to its operation in parallel with the Ocala Electric Utility system to ensure compliance with applicable local codes. OEU will also require proof of commission testing by a qualified 3rd party testing company (not affiliated in any way with the manufacturer, vendor or installation contractor), for compliance with all required and applicable codes, standards, and interconnection study requirements, prior to setting of OEU metering equipment.

C. Proof of insurance in the amount of:

Tier 1 - \$100,000.00

Tier 2 - \$1,000,000.00

Tier 3 - \$2,000,000.00

Customer

By: Nilmarie Lugo Cuevas
(Print Name)

Date: 4/27/2024

Issued by: Michael Poucher, P.E. Electric Utility Director

OCALA ELECTRIC UTILITY OCALA, FLORIDA

FIRST REVISED SHEET NO. 20.0 CANCELS ORIGINAL SHEET NO. 20.0

Tri-Party Net-Metering Power Purchase Agreement

This Tri-Party Net-Metering Power Purchase Agreement (this "Agreement") is entered into	this
day of June , 20 24, by and between the Florida Municipal Power Agency	а
governmental joint action agency created and existing under the laws of the State of Florida	
(hereinafter "FMPA"), the City of Ocala doing business as Ocala Electric Utility, a body p	olitic
(hereinafter "OEU"), and Nilmarie Lugo Cuevas	retail
electric customer of OEU (hereinafter "Customer").	

Section 1. Recitals

- 1.01. OEU and Customer have executed OEU's Standard Interconnection Agreement for a Customer-Owned Renewable Generation System (RGS) pursuant to which OEU has agreed to permit interconnection of Customer's renewable generation to OEU's electric system at Customer's presently-metered location, and Customer has agreed to deliver excess electric energy generated by Customer's Renewable Generation System to OEU's electric distribution system;
- 1.02. The City of Ocala and FMPA have entered into the All-Requirements Power Supply Contract, dated as of May 1, 1986, (hereinafter the "ARP Contract") pursuant to which the City of Ocala has agreed to purchase and receive, and FMPA has agreed to sell and supply OEU with all energy and capacity necessary to operate the OEU electric system, which limits OEU's ability to directly purchase excess energy from customer-owned renewable generation.
- 1.03. In order to promote the development of small customer-owned renewable generation by permitting OEU to allow its customers to interconnect with OEU's electric system and to allow OEU's electric customers to offset their electric consumption with customer-owned renewable generation, FMPA, in accordance with the terms and conditions of this agreement, has agreed to purchase excess customer-owned generation from OEU's electric customers interconnected to OEU's electric system.

NOW THEREFORE, for and in consideration of the mutual covenants and agreements set forth herein, the Parties covenant and agree as follows:

Section 2. Interconnection

2.01. Customer shall not begin parallel operations with the OEU electric distribution system until Customer has executed OEU's electric Standard Interconnection Agreement for Small Customer-Owned Renewable Generation and is in compliance with all terms and conditions

OEU requires that the customer install and operate the RGS in accordance with all applicable safety codes and standards. OEU shall establish and enforce terms and conditions of operation and disconnection of all interconnected customer-owned renewable generation as it relates to the effect of the RGS on OEU's electric distribution system.

(Continued on Sheet No. 20.1)

Issued by: Michael Poucher, P.E. Electric Utility Director

OCALA ELECTRIC UTILITY OCALA, FLORIDA (Continued from Sheet No. 20.0) FIRST REVISED SHEET NO. 20.1 CANCELS ORIGINAL SHEET NO. 20.1

Section 3. Metering

3.01 In accordance with the OEU's Standard Interconnection Agreement for Customer-Owned Renewable Generation, OEU shall install metering equipment at the point of delivery capable of recording two separate kWh meter readings: (1) the flow of electricity from OEU to the Customer (Delivered), and (2) the flow of excess electricity from the Customer to OEU. OEU shall take meter readings on the same cycle as the otherwise applicable rate schedule.

Section 4. Purchase of Excess Customer-Owned Renewable Generation

- 4.01. Customer-owned renewable generation shall be first used for Customer's own load and shall offset Customer's demand for OEU's electricity. All electric power and energy delivered by OEU to Customer shall be received and paid for by Customer to OEU (Received) pursuant to the terms, conditions and rates of the OEU otherwise applicable rate schedule.
- 4.02. Excess customer-owned renewable generation shall be delivered to the OEU Electric distribution system. For purposes of this Agreement, the term "excess customer-owned renewable generation" means any kWh of electrical energy produced by the customer-owned renewable generation system that is not consumed by Customer and is delivered to the OEU electric distribution system. FMPA agrees to purchase and receive, and Customer agrees to sell and deliver, all excess customer-owned renewable generation at the energy rate established by FMPA, which shall be calculated in accordance with Schedule A. Excess customer-owned renewable generation shall be purchased in the form of a credit on Customer's monthly energy consumption bill from OEU.
- 4.03. In the event that a given monthly credit for excess customer-owned renewable generation exceeds the total billed amount for Customer's consumption in any corresponding month, then the excess credit shall be applied to the subsequent month's bill. Excess energy credits produced pursuant to the preceding sentence shall accumulate and be used to offset Customer's energy consumption bill for a period of not more than twelve (12) months. At the end of each calendar year, any unused excess energy credits shall be paid by OEU to the Customer in accordance with the OEU Electric Net-Metering Service Rate Schedule.

(Continued on Sheet No. 20.2)

Issued by: Michael Poucher, P.E.
Electric Utility Director

OCALA ELECTRIC UTILITY OCALA, FLORIDA (Continued from Sheet No. 20.1)

FIRST REVISED SHEET NO. 20.2 CANCELS ORIGINAL SHEET NO. 20.2

- 4.04. FMPA and OEU shall not be required to purchase or receive excess customer-owned renewable generation, and may require Customer to interrupt or reduce production of customer-owned renewable generation, (a) when necessary in order to construct, install, maintain, repair, replace, remove, investigate, or inspect any OEU equipment or part of OEU's system; or (b) if either FMPA or OEU determine, in their sole judgment, that curtailment, interruption, or reduction is necessary because of emergencies, forced outages, force majeure, or compliance with any applicable electric code or standard.
- 4.05. Customer acknowledges that its provision of electricity to OEU hereunder is on a first-offered, first-accepted basis and subject to diminution and/or rejection in the event the total amount of electricity delivered to OEU pursuant to the Net-Metering Service Rate Schedule (as filed with the Florida Public Service Commission), from all participating OEU customers, exceeds two and one-half percent (2.5%) of the aggregate customer peak demand on the OEU electric system.

Section 5. Renewable Energy Credits

- 5.01. Customer shall offer FMPA a first right of refusal before selling or granting to any third party the right to the Green Attributes associated with its customer-owned renewable generation that is interconnected to OEU electric distribution system. The term "Green Attributes" shall include any and all credits, certificates, benefits, environmental attributes, emissions reductions, offsets, and allowances, however entitled, attributable to the generation of electricity from the customer-owned-renewable generation and its displacement of conventional energy generation.
- 5.02. Any additional meter(s) installed to measure total renewable electricity generated by the Customer for the purposes of measuring Green Attributes, including and renewable energy certificates (or similarly titled credits for renewable energy generated), shall be installed at the expense of the Customer, unless determined otherwise during negotiations for the sale of the Customer's credits to FMPA.

Section 6. Term and Termination

- 6.01. This Agreement shall become effective upon execution by all Parties, and shall remain in effect thereafter on a month-to-month basis until terminated by any Party upon thirty (30) days written notice to all other Parties.
- 6.02. This Agreement shall terminate immediately and without notice upon: (a) termination of the electric distribution service by OEU or (b) failure by Customer to comply with any of the terms and conditions of this Agreement or OEU's Standard Interconnection Agreement for Customer-Owned Renewable Generation.

(Continued on Sheet No. 20.3)

Issued by: Michael Poucher, P.E. Electric Utility Director

OCALA ELECTRIC UTILITY OCALA, FLORIDA (Continued from Sheet No. 20.2)

FIRST REVISED SHEET NO. 20.3 CANCELS ORIGINAL SHEET NO. 20.3

Section 7. Miscellaneous Provisions

- 7.01. Assignment. It is understood and agreed that no party may transfer, sell, mortgage, pledge, hypothecate, convey, designate, or otherwise assign this Agreement, or any interest herein or any rights or obligations hereunder, in whole or in part, either voluntarily or by operation of law, (including, without limitation, by merger, consolidation, or otherwise), without the express written consent of the other parties (and any such attempt shall be void), which consent shall not be unreasonably withheld. Subject to the foregoing, this Agreement shall inure to the benefit of and be binding upon the parties and their respective successors and permitted assigns.
- 7.02 Amendment. It is understood and agreed that FMPA and OEU reserve the right, on no less than an annual basis, to change any of the terms and conditions, including pricing, in this Agreement on sixty (60) days advance written notice. FMPA and OEU may make such changes on an immediate basis in the event any applicable law, rule, regulation or court order requires them. In such event, FMPA and OEU will give Customer as much notice as reasonably possible under the circumstances.
- 7.03. Indemnification. To the fullest extent permitted by laws and regulations, and in return for adequate, separate consideration, Customer shall defend, indemnify, and hold harmless FMPA and OEU, their officers, directors, agents, guests, invitees, and employees from and against all claims, damages, losses to persons or property, whether direct, indirect, or consequential (including but not limited to fees and charges of attorneys, and other professionals and court and arbitration costs) arising out of, resulting from, occasioned by, or otherwise caused by the operation or misoperation of the customer-owned renewable generation, or the acts or omissions of any other person or organization directly or indirectly employed by the Customer to install, furnish, repair, replace or maintain the customer-owned renewable generation system, or anyone for whose acts any of them may be liable.
- 7.04. Governing Law. The validity and interpretation of this Agreement and the rights and obligations of the parties shall be governed and construed in accordance with the laws of the State of Florida without regard for any conflicts of law provisions that might cause the law of other jurisdictions to apply. All controversies, claims, or disputes arising out of or related to this Agreement or any agreement, instrument, or document contemplated hereby, shall be brought exclusively in the County or Circuit Court for Marion County, Florida, or the United States District Court sitting in Marion County, Florida, as appropriate.

(Continued on Sheet No. 20.4)

Issued by: Michael Poucher, P.E. Electric Utility Director

OCALA ELECTRIC UTILITY OCALA, FLORIDA (Continued from Sheet No. 20.3)

FIRST REVISED SHEET NO. 20.4 CANCELS ORIGINAL SHEET NO. 20.4

- 7.05. Enforcement of Agreement. In the event that either party is required to enforce this Agreement by court proceedings or otherwise, the prevailing party shall be entitled to recover all fees and costs incurred, including reasonable attorney's fees and costs for trial, alternative dispute resolution, and/or appellate proceedings.
- 7.06. Severability. To the extent any provision of this Agreement is prohibited by or invalid under applicable law, such provision shall be ineffective to the extent of such prohibition or invalidity, without invalidating the remainder of such provision or the remaining provisions of this Agreement.
- 7.07. Third Party Beneficiaries and Sovereign Immunity. This Agreement is solely for the benefit of FMPA, OEU, and Customer and no right nor shall any cause of action accrue upon or by reason, to or for the benefit of any third party not a formal party to this Agreement. Nothing in this Agreement, expressed or implied, is intended or shall be construed to confer upon any person or corporation other than FMPA, OEU, or Customer, any right, remedy, or claim under or by reason of this Agreement or any of the provisions or conditions of this Agreement; and, all provisions, representations, covenants, and conditions contained in this Agreement shall inure to the sole benefit of and be binding upon FMPA, OEU, and Customer and their respective representatives, successors, and assigns. Further, no term or condition contained in this Agreement shall be construed in any way as a waiver by either FMPA or OEU of the sovereign immunity applicable to either or both of them as established by Florida Statutes, 768.28.

(Continued on Sheet No. 20.5)

Issued by: Michael Poucher, P.E. Electric Utility Director

OCALA ELECTRIC UTILITY OCALA, FLORIDA (Continued from Sheet No. 20.4) FIRST REVISED SHEET NO. 20.5 CANCELS ORIGINAL SHEET NO. 20.5

IN WITNESS WHEREOF, Customer and OEU have executed this Agreement the day and year first above written.

City of Ocala Electric Utility	Florida Municipal Power Agency
By: Janie Mitdell	By:
Title: CFO	Title: VP of IT/OT and System Ops
Date:10/31/2024	Date: 10/31/2024
Customer	$A(\cdot, \cdot) = 0$
By: Nilmarie Lugo Cuevas	Date: 04/27/2024
(Print Name) (Signature)	
Customer's City of Ocala Electric Utility	Account Number:565348-241381
Approved as to form and legality:	
DocuSigned by:	
William E. Sexton, Esq.	-
City Attorney	
City I thorney	

(Continued on Sheet No. 20.6)

Effective: October 1, 2019

Issued by: Michael Poucher, P.E. Electric Utility Director

OCALA ELECTRIC UTILITY OCALA, FLORIDA (Continued from Sheet No. 20.5)

FIRST REVISED SHEET NO. 20.6 CANCELS ORIGINAL SHEET NO. 20.6

Tri-Party Net-Metering Power Purchase Agreement Schedule A

I. All-Requirements Project Calculation of Excess Customer-Owned Renewable Generation Credit

a) FMPA shall pay OEU for the excess kWh energy delivered by customer-owned renewable generation to OEU's electric system. Every month, OEU shall determine the total kWh of customer-owned renewable generation that is delivered to OEU's electric system, and shall send the information to FMPA as soon as it becomes available, but no later than the second working day of every month. FMPA will then provide a monthly payment to OEU in the form of a credit on the ARP power bill for the excess energy delivered to the distribution grid. The ARP Renewable Generation Credit will be calculated as follows:

ARP Renewable Generation Credit = Quarterly Energy Rate * Monthly kWh of excess customer-owned renewable generation

Quarterly Energy Rate = 3 month average of ARP energy rate. FMPA will update the Quarterly Energy Rate every April 1, July 1, October 1 and January 1.

b) As part of the monthly bill adjustment, FMPA will also increase OEU's kWh billing amount by the same kWh amount as the customer-owned renewable generation purchased by FMPA. This adjustment is necessary because excess customer generation that flows onto OEU's electric system has been purchased by FMPA, but will remain on OEU's electric system and be used by OEU to meet its other customers' electric needs. As a result, OEU's monthly ARP bill will be adjusted accordingly to reflect FMPA's subsequent sale of this energy to OEU.

II. Payment for Unused Excess Energy Credits

- a) Monthly excess energy credits shall accumulate and be used to offset the Customer's following month energy consumption bill for a period of not more than twelve (12) months.
- b) At the end of each calendar year, OEU shall pay the Customer for any unused excess energy credits in accordance with the OEU Electric Net-Metering Service Rate Schedule.

Issued by: Michael Poucher, P.E. Electric Utility Director

OCALA ELECTRIC UTILITY OCALA, FLORIDA

FIRST REVISED SHEET NO. 21.0 CANCELS ORIGINAL SHEET NO. 21.0

Tier 1 – Standard Interconnection Agreement Customer-Owned Renewable Generation System

This Agreement is made and entered into the	is 6th day of June , 20 24, by and
between Nilmarie Lugo Cuevas	, (hereinafter called "Customer"), located at
5420 NE Jacksonville Rd in Ocala	, Florida, and the City of Ocala doing
business as Ocala Electric Utility (hereinaft	er called OEU), a body politic. Customer and OEU
shall collectively be called the "Parties". The	e physical location/premise where the interconnection
is taking place: 5420 NE Jacksonville Rd O	cala FL 34479

WITNESSETH

Whereas, a Tier 1 Renewable Generation System (RGS) is an electric generating system that uses one or more of the following fuels or energy sources: hydrogen, biomass, solar energy, geothermal energy, wind energy, ocean energy, waste heat, or hydroelectric power as defined in Section 377.803, Florida Statutes, rated at no more than ten (10) kilowatts (10 kW) alternating current (AC) power output and is primarily intended to offset part or all of the Customer's current electric requirements; and

Whereas, OEU operates an electric system serving the City of Ocala; and

Whereas, Customer has made a written Application to OEU, a copy being attached hereto, to interconnect its RGS with OEU' electrical supply grid at the location identified above; and

Whereas, the City of Ocala and the Florida Municipal Power Agency (hereinafter called "FMPA") have entered into the All-Requirements Power Supply Contract pursuant to which the City of Ocala has agreed to purchase and receive, and FMPA has agreed to sell and supply OEU with all energy and capacity necessary to operate the OEU electric system, which limits OEU' ability to directly purchase excess energy from customer-owned renewable generation; and

Whereas, in order to promote the development of small customer-owned renewable generation by permitting OEU to allow its customers to interconnect with OEU's electric system and to allow OEU customers to offset their electric consumption with customer-owned renewable generation, FMPA, in accordance with the terms and conditions of this agreement, has agreed to purchase excess customer-owned generation from OEU customers interconnected to OEU's electric system; and

Whereas, the OEU desires to provide interconnection of a RGS under conditions which will insure the safety of OEU customers and employees, reliability and integrity of its distribution system;

NOW, THEREFORE, for and in consideration of the mutual covenants and agreements herein set forth, the parties hereto covenant and agree as follows:

(Continued on Sheet No. 21.1)

Issued by: Michael Poucher, P.E. Electric Utility Director

OCALA ELECTRIC UTILITY OCALA, FLORIDA (Continued from Sheet No. 21.0)

FIRST REVISED SHEET NO. 21.1 CANCELS ORIGINAL SHEET NO. 21.1

- 1. The Customer shall be required to enter into a Tri-Party Net-Metering Purchase Power Agreement with FMPA and the City of Ocala Electric Utility (OEU).
- 2. "Gross power rating" (GPR) means the total manufacturer's AC nameplate generating capacity of an on-site customer-owned renewable generation system that will be interconnected to and operate in parallel with OEU's distribution facilities. For inverter-based systems, the GPR shall be calculated by multiplying the total installed DC nameplate generating capacity by 0.85 in order to account for losses during the conversion from DC to AC.
- 3. This agreement is strictly limited to cover a Tier 1 RGS as defined above. It is the Customer's responsibility to notify OEU of any change to the GPR of the RGS by submitting a new application for interconnection specifying the modifications at least 30 days prior to making the modifications. Increase in GPR above the ten kilowatt (10 kW) limit would necessitate entering into a new agreement at either Tier 2 or Tier 3 which may impose additional requirements on the Customer. In no case does the Tier 1, Tier 2 or Tier 3 agreement cover increases in GPR above two megawatts (2MW).
- 4. The RGS GPR must not exceed 90 percent (90%) of the Customer's OEU calculated distribution service rating at the Customer's location (including shared electric facilities). If the GPR does exceed the 90 percent (90%) limit, the Customer shall be responsible to pay the cost of upgrades to the distribution facilities required to accommodate the GPR capacity and ensure the 90 percent (90%) threshold is not breached. OEU will not allow a RGS GPR greater than required to offset the customer's annual kWh energy consumption (based on customer's historical consumption data or by means of estimated usage of similar type of service as determined by OEU).
- 5. The Customer shall not be required to pay any special fees due solely to the installation of the RGS.
- 6. The Customer shall fully comply with OEU's Design Standards following NEC standards as those documents may be amended or revised by OUS from time to time.
- 7. The Customer certifies that its installation, its operation and its maintenance shall be in compliance with the following standards (or most current version at time of inspection approval):
 - a. IEEE-1547 (2018) Standard for Interconnecting Distributed Resources with Electric Power System;
 - b. IEEE-1547.1 (2005) Standard Conformance Test Procedures for Equipment Interconnection Distributed Resources with Electric Power Systems;
 - c. UL-1741 (2010) Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed *Energy Resources*.
 - d. The National Electric Code, state and/or local building codes, mechanical codes and/or electrical codes;
 - e. The manufacturer's installation, operation and maintenance instructions. (Continued to Sheet No. 21.2)

Issued by: Michael Poucher, P.E. Electric Utility Director

OCALA ELECTRIC UTILITY OCALA, FLORIDA (Continued from Sheet No. 21.1) FIRST REVISED SHEET NO. 21.2 CANCELS ORIGINAL SHEET NO. 21.2

- 8. The Customer is not precluded from contracting for the lease, operation or maintenance of the RGS with a third party. Such lease may not provide terms or conditions that provide for any payments under the agreement to any way indicate or reflect the purchase of energy produced by the RGS. Customer shall not enter into any lease agreement that results in the retail purchase of electricity; or the retail sale of electricity from the customer-owned renewable generation. Notwithstanding this restriction, in the event that Customer is determined to have engaged in the retail purchase of electricity from a party other than OEU, then Customer shall be in breach of this Agreement and may be subject to the jurisdiction of the Florida Public Service Commission and to fines/penalties.
- 9. The Customer shall provide a copy of the manufacturer's installation, operation and maintenance instructions to OEU. If the RGS is leased to the Customer by a third party, or if the operation or maintenance of the RGS is to be performed by a third party, the lease and/or maintenance agreements and any pertinent documents related to these agreements shall be provided to OEU.
- 10. Prior to commencing parallel operation with OEU's electric system, Customer shall have the RGS inspected and approved by the appropriate code authorities having jurisdiction. Customer shall provide a copy of this inspection and approval to OEU.
- 11. The Customer agrees to permit OEU, if it should so choose, to inspect the RGS and its component equipment and the documents necessary to ensure compliance with this Agreement both before and after the RGS goes into service and to witness the initial testing of the RGS equipment and protective apparatus. OEU will provide Customer with as much notice as reasonably possible, either in writing, email, facsimile or by phone as to when OEU may conduct inspections and or document review. Upon reasonable notice, or at any time without notice in the event of an emergency or hazardous condition, Customer agrees to provide OEU access to the Customer's premises for any purpose in connection with the performance of the obligations required by this Agreement or, if necessary, to meet OEU's legal obligation to provide service to its customers. At least ten (10) business days prior to initially placing the customer-owned renewable generation system in service, Customer shall provide written notification to OEU advising of the date and time at which Customer intends to place the system in service, and OEU shall have the right to have personnel present on the in-service date in order to ensure compliance with the requirements of this Agreement.

(Continued on Sheet No. 21.3)

Effective: October 1, 2019

Issued by: Michael Poucher, P.E. Electric Utility Director OCALA ELECTRIC UTILITY OCALA, FLORIDA (Continued from Sheet No. 21.2)

FIRST REVISED SHEET NO. 21.3 CANCELS ORIGINAL SHEET NO. 21.3

Effective: October 1, 2019

- 12. The Customer's RGS must have an appropriately sized grid-tie inverter system that includes applicable protective systems. Customer certifies that the RGS equipment includes an OEU interactive inverter or interconnection system equipment that ceases to interconnect with the OEU system upon a loss of OEU's electric power. The inverter shall be considered certified for interconnected operation if it has been submitted by a manufacturer to a nationally recognized testing laboratory (NRTL) to comply with UL 1741. The NRTL shall be approved by the Occupational Safety & Health Administration (OSHA).
- 13. If Customer adds another RGS that (i) utilizes the same OEU interactive inverter for both systems, or (ii) utilizes a separate OEU interactive inverter for each system, Customer shall provide OEU with sixty (60) days advance written notice of the addition.
- 14. The Customer shall not energize the OEU system when OEU's system is deenergized. The Customer shall cease to energize the OEU system during a faulted condition on the OEU system and/or upon any notice from OEU that the deenergizing of Customer's RGS equipment is necessary. The Customer shall cease to energize the OEU system prior to automatic or non-automatic reclosing of OEU's protective devices. There shall be no intentional islanding, as described in IEEE 1547, between the Customer's and OEU' systems.
- 15. The Customer is responsible for the protection of its generation equipment, inverters, protection devices, and other system components from damage from the normal and abnormal operations that occur on OEU system in delivering and restoring system power. Customer agrees that any damage to any of its property, including, without limitation, all components and related accessories of its RGS system, due to the normal or abnormal operation of OEU system, is at Customer's sole risk and expense. Customer is also responsible for ensuring that the customer-owned renewable generation equipment is inspected, maintained, and tested regularly in accordance with the manufacturer's instructions to ensure that it is operating correctly and safely.
- 16. The Customer must install, at their expense, a manual disconnect switch of the visible load break type to provide a separation point between the AC power output of the customer-owned renewable generation system and any Customer wiring connected to OEU's system, such that back feed from the customer-owned renewable generation system to OEU's system cannot occur when the switch is in the open position. The manual disconnect switch shall be mounted separate from the meter socket on an exterior surface adjacent to the meter. The switch shall be readily accessible to OEU and capable of being locked in the open position with an OEU padlock. When locked and tagged in the open position by OEU, this switch will be under the control of OEU.

(Continued on Sheet No. 21.4)

Issued by: Michael Poucher, P.E. Electric Utility Director OCALA ELECTRIC UTILITY OCALA, FLORIDA (Continued from Sheet No. 21.3)

FIRST REVISED SHEET NO. 21.4 CANCELS ORIGINAL SHEET NO. 21.4

- 17. Subject to an approved inspection, including installation of acceptable disconnect switch, this Agreement shall be executed by OEU within thirty (30) calendar days of receipt of a completed application. Customer must execute this Agreement and return it to OEU at least thirty (30) calendar days prior to beginning parallel operations with OEU's electric system, subject to the requirements of Section 18, below, and within one (1) year after OEU executes this Agreement.
- 18. Once OEU has received Customer's written documentation that the requirements of this Agreement have been met, all agreements and documentation have been received and the correct operation of the manual switch has been demonstrated to an OEU representative, OEU will, within fifteen (15) business days, send written notice that parallel operation of the RGS may commence.
- 19. OEU requires the Customer to maintain general liability insurance for personal injury and property damage in the amount of not less than one hundred thousand dollars (\$100,000.00).
- 20. OEU will furnish, install, own and maintain metering equipment capable of measuring the flow of kilowatt-hours (kWh) of energy. The Customer's service associated with the RGS will be metered to measure the energy delivered by OEU to Customer, and measure the energy delivered by Customer to OEU. Customer agrees to provide safe and reasonable access to the premises for installation, maintenance and reading of the metering and related equipment. The Customer shall not be responsible for the cost of the installation and maintenance of the metering equipment necessary to measure the energy delivered by the Customer to OEU.
- 21. The Customer shall be solely responsible for all legal and financial obligations arising from the design, construction, installation, operation, maintenance and ownership of the RGS.
- 22. The Customer must obtain all permits, inspections and approvals required by applicable jurisdictions with respect to the generating system and must use a licensed, bonded and insured contractor to design and install the generating system. The Customer agrees to provide OEU with a copy of the local building code official inspection and certification of installation. The certification shall reflect that the local code official has inspected and certified that the installation was permitted, has been approved, and has met all electrical and mechanical qualifications.

(Continued on Sheet No. 21.5)

Issued by: Michael Poucher, P.E. Electric Utility Director

OCALA ELECTRIC UTILITY OCALA, FLORIDA (Continued from Sheet No. 21.4)

FIRST REVISED SHEET NO. 21.5 CANCELS ORIGINAL SHEET NO. 21.5

Effective: October 1, 2019

- 23. In no event shall any statement, representation, or lack thereof, either express or implied, by OEU, relieve the Customer of exclusive responsibility for the Customer's system. Specifically, any OEU inspection of the RGS shall not be construed as confirming or endorsing the system design or its operating or maintenance procedures or as a warranty or guarantee as to the safety, reliability, or durability of the RGS. OEU's inspection, acceptance, or its failure to inspect shall not be deemed an endorsement of any RGS equipment or procedure. Further, as set forth in Sections 15 and 26 of this Agreement, Customer shall remain solely responsible for any and all losses, claims, damages and/or expenses related in any way to the operation or misoperation of its RGS equipment.
- 24. Notwithstanding any other provision of this Interconnection Agreement, OEU, at its sole and absolute discretion, may isolate the Customer's system from the distribution grid by whatever means necessary, without prior notice to the Customer. To the extent practical, however, prior notice shall be given. The system will be reconnected as soon as practical once the conditions causing the disconnection cease to exist. OEU shall have no obligation to compensate the Customer for any loss of energy during any and all periods when Customer's RGS is operating at reduced capacity or is disconnected from OEU' electrical distribution system pursuant to this Interconnection Agreement. Typical conditions which may require the disconnection of the Customer's system include, but are not limited to, the following:
 - a. OEU system emergencies, forced outages, uncontrollable forces or compliance with prudent electric OEU practice.
 - b. When necessary to investigate, inspect, construct, install, maintain, repair, replace or remove any OEU equipment, any part of OEU's electrical distribution system or Customer's generating system.
 - c. Hazardous conditions existing on OEU's system due to the operation of the Customer's generation or protective equipment as determined by OEU.
 - d. Adverse electrical affects (such as power quality problems) on the electrical equipment of OEU's other electric consumers caused by the Customer's generation as determined by OEU.
 - e. When Customer is in breach of any of its obligations under this Interconnection Agreement or any other applicable policies and procedures of OEU.
 - f. When the Customer fails to make any payments due to OEU by the due date thereof.
- 25. Upon termination of services pursuant to this Agreement, OEU shall open and padlock the manual disconnect switch and remove any additional metering equipment related to this Agreement. At the Customer's expense, within thirty (30) working days following the termination, the Customer shall permanently isolate the RGS and any associated equipment from OEU's electric supply system, notify OEU that the isolation is complete, and coordinate with OEU for return of OEU's lock.

(Continued to Sheet No. 21.6)

Issued by: Michael Poucher, P.E. Electric Utility Director OCALA ELECTRIC UTILITY OCALA, FLORIDA (Continued from Sheet No. 21.5) FIRST REVISED SHEET NO. 21.6 CANCELS ORIGINAL SHEET NO. 21.6

- 26. To the fullest extent permitted by law, and in return for adequate, separate consideration, Customer shall indemnify, defend and hold harmless OEU, any and all of their members of its governing bodies, and its officers, agents, and employees for, from and against any and all claims, demands, suits, costs of defense, attorneys fees, witness fees of any type, losses, damages, expenses, and liabilities, whether direct, indirect or consequential, related to, arising from, or in any way connected with:
 - a. Customer's design, construction, installation, inspection, maintenance, testing or operation of Customer's generating system or equipment used in connection with this Interconnection Agreement, irrespective of any fault on the part of OEU.
 - b. The interconnection of Customer's generating system with, and delivery of energy from the generating system to, OEU's electrical distribution system, irrespective of any fault on the part of OEU.
 - c. The performance or nonperformance of Customer's obligations under this Interconnection Agreement or the obligations of any and all of the members of Customer's governing bodies and its officers, agents, contractors (and any subcontractor or material supplier thereof) and employees.

Customer's obligations under this Section shall survive the termination of this Interconnection Agreement.

- 27. Customer shall not have the right to assign its benefits or obligations under this Agreement without OEU's prior written consent and such consent shall not be unreasonably withheld. If there is a change in ownership of the RGS, Customer shall provide written notice to OEU at least thirty (30) days prior to the change in ownership. The new owner will be required to assume, in writing, the Customer's rights and duties under this Agreement, or execute a new Standard Interconnection Agreement. The new owner shall not be permitted to net meter or begin parallel operations until the new owner assumes this Agreement or executes a new Agreement.
- 28. This Agreement supersedes all previous agreements and representations either written or verbal heretofore made between OEU and Customer with respect to matters herein contained. This Agreement, when duly executed, constitutes the only Agreement between parties hereto relative to the matters herein described. This Agreement shall continue in effect from year to year until either party gives sixty (60) days' notice of its intent to terminate this Agreement.

(Continued on Sheet No. 21.7)

Issued by: Michael Poucher, P.E. Electric Utility Director

OCALA ELECTRIC UTILITY OCALA, FLORIDA (Continued from Sheet No. 21.6)

FIRST REVISED SHEET NO. 21.7 CANCELS ORIGINAL SHEET NO. 21.7

29. This Agreement shall be governed by and construed and enforced in accordance with the laws, rules and regulations of the State of Florida and OEU's tariff as it may be modified, changed, or amended from time to time, including any amendments modification or changes to OEU's Net-Metering Service Rate Schedule, the schedule applicable to this Agreement. The Customer and OEU agree that any action, suit, or proceeding arising out of or relating to this Interconnection Agreement shall be initiated and prosecuted in the state court of competent jurisdiction located in Marion County, Florida, and OEU and the Customer irrevocably submit to the jurisdiction and venue of such court. To the fullest extent permitted by law, each Party hereby irrevocably waives any and all rights to a trial by jury and covenants and agrees that it will not request a trial by jury with respect to any legal proceeding arising out of or relating to this Interconnection Agreement.

None of the provisions of this Interconnection Agreement shall be considered waived by either Party except when such waiver is given in writing. No waiver by either Party of any one or more defaults in the performance of the provisions of this Interconnection Agreement shall operate or be construed as a waiver of any other existing or future default or defaults. If any one or more of the provisions of this Interconnection Agreement or the applicability of any provision to a specific situation is held invalid or unenforceable, the provision shall be modified to the minimum extent necessary to make it or its application valid and enforceable, and the validity and enforceability of all other provisions of this Interconnection Agreement and all other applications of such provisions shall not be affected by any such invalidity or unenforceability. This Interconnection Agreement does not govern the terms and conditions for the delivery of power and energy to non-generating retail customers of OEU's electrical distribution system.

- 30. This Agreement incorporates by reference the terms of the tariff filed with the Florida Public Service Commission by OEU, including OEU's Net-Metering Service Rate Schedule, and associated technical terms and abbreviations, general rules and regulations and standard electric service requirements (as may be applicable) are incorporated by reference, as amended from time to time. To the extent of any conflict between this Agreement and such tariff, the tariff shall control.
- 31. OEU and Customer recognize that the Florida Statutes and/or the Florida Public Service Commission Rules, including those directly addressing the subject of this Agreement, may be amended from time to time. In the event that such statutes and/or rules are amended that affect the terms and conditions of this Agreement, OEU and Customer agree to supersede and replace this Agreement with a new Interconnection Agreement, which complies with the amended statutes/rules.

(Continued on Sheet No. 21.8)

Issued by: Michael Poucher, P.E. Electric Utility Director

OCALA ELECTRIC UTILITY OCALA, FLORIDA (Continued from Sheet No. 21.7)

FIRST REVISED SHEET NO. 21.8 CANCELS ORIGINAL SHEET NO. 21.8

- 32. Customer acknowledges that its provision of electricity to OEU hereunder is on a first-offered, first-accepted basis and subject to diminution and/or rejection in the event the total amount of electricity delivered to OEU pursuant to the OEU's Net-Metering Service Rate Schedule, (as filed with the Florida Public Service Commission), from all participating OEU customers, exceeds two and one-half percent (2.5%) of the aggregate customer peak demand on the OEU system.
- 33. This Agreement is solely for the benefit of OEU and Customer and no right nor any cause of action shall accrue upon or by reason, to or for the benefit of any third party not a formal party to this Agreement. Nothing in this Agreement, expressed or implied, is intended or shall be construed to confer upon any person or corporation other than OEU or Customer, any right, remedy, or claim under or by reason of this Agreement or any of the provisions or conditions of this Agreement; and, all provisions, representations, covenants, and conditions contained in this Agreement shall inure to the sole benefit of and be binding upon OEU and Customer and their respective representatives, successors, and assigns. Further, no term or condition contained in this Agreement shall be construed in any way as a waiver by OEU of the sovereign immunity applicable to OEU as established by Florida Statutes, 768.28.

(Continued on Sheet No. 21.9)

Issued by: Michael Poucher, P.E. Electric Utility Director

OCALA ELECTRIC UTILITY OCALA, FLORIDA (Continued from Sheet No. 21.8) FIRST REVISED SHEET NO. 21.9 CANCELS ORIGINAL SHEET NO. 21.9

Effective: October 1, 2019

IN WITNESS WHEREOF, Customer and OEU have executed this Agreement the day and year first above written.

City of Ocala Electric Utility:	Customer:
By: Signed by: Jania Middell STRIBBERSESSARET	By:Nilmarie Lugo Cuevas
Title: CFO	Muarie Fixo ar
Date:	(Sygnature) Date:
	City of Ocala Electric Utility Account Number:
	565348-241381
Approved as to form and legality:	
Docusioned by: William E. Sexton	
William E. Sexton, Esq.	
City Attorney	

Issued by: Michael Poucher, P.E.
Electric Utility Director

Page: 1 of 5

Florida Farm Bureau Casualty Insurance Company

5700 S.W. 34th Street Gainesville, Florida 32608-5300





1

POLICY DECLARATION RENEWAL

AND NOTICE OF RENEWAL PREMIUM

IMPORTANT MESSAGES

THIS IS NOT A BILL. Any premium change for this policy will be reflected on your next billing statement. Please do not disregard your current billing statement. Report claims 24 hours a day, 7 days a week at www.FloridaFarmBureau.com or call 1-866-275-7322.

Your premium may have increased, in part, due to an increase in coverage to protect you from inflation. If you feel your home is either under or over insured, please contact your agent.

LAW AND ORDINANCE: LAW AND ORDINANCE COVERAGE IS AN IMPORTANT COVERAGE THAT YOU MAY WISH TO PURCHASE. PLEASE DISCUSS WITH YOUR INSURANCE AGENT.

FLOOD INSURANCE: YOU SHOULD CONSIDER THE PURCHASE OF FLOOD INSURANCE. HOMEOWNER'S INSURANCE POLIC HOMEOWNER'S INSURANCE POLICY DOES NOT INCLUDE COVERAGE FOR DAMAGE RESULTING FROM INSURANCE COVERAGE, YOUR UNCOVERED LOSSES CAUSED BY FLOOD ARE NOT COVERED. DISCUSS THE NEED TO PURCHASE SEPARATE FLOOD INSURANCE COVERAGE WITH YOUR INSURANCE AGENT.

THIS POLICY CONTAINS A SEPARATE DEDUCTIBLE FOR HURRICANE LOSSES, WHICH MAY RESULT IN HIGH OUT-OF-POCKET EXPENSES TO YOU.

Policy Number: 8676768

Policy Type: HOMEOWNERS POLICY

Policy Period: From: 01/11/2024

To: 01/11/2025

(12:01 a.m. Standard time at location of the residence premises)

Named Insured and Mailing Address:

hallalahdallaaddaaaddaahdalladda NILMARIE LUGO ANTONIO HERNANDEZ 5420 NE JACKSONVILLE RD OCALA FL 34479-1745

Agent:

ANDREW D FABIAN

Account Number: 09900001072266

Membership Number: 1106877

County: 42-1 Agent Code: 33152

05039

Page: 4 of 5

Florida Farm Bureau Casualty Insurance Company

5700 S.W. 34th Street Gainesville, Florida 32608-5300



POLICY DECLARATION

RESIDENCE PREMISES is located at:

5420 NE JACKSONVILLE RD OCALA FL 034479, Section 028, Township 14S, Range 22E, MARION CO FPSA, MARION County, but is limited to those grounds immediately extending 0150 feet from any exterior wall of the dwelling. Built in 2021, stucco on masonry construction, primary residence, dwelling is over 1000 feet from hydrant.

COVERAGE / LIMITS:

Section I Coverage: Section II Coverage: Limit of Liability Limit of Liability E. Personal Liability A. Dwelling \$232,200 \$300,000 B. Other Structures \$23.220 Each Occurrence C. Personal Property \$92,880 F. Medical Payments \$5,000 D. Loss of Use \$46,440 Each Person

Ordinance or Law Coverage up to 25% of Coverage A Dwelling Limit of Liability.

Section I Loss Deductibles: 2% Calendar Year Hurricane \$4,644; Other Perils=\$ 1.000.

ADJUSTED BASE PREMIUM: Additional Coverages\Credits\Surcharges: TOTAL POLICY PREMIUM:

\$23.00CR \$990.00

Your total policy premium includes the following hurricane premium -

\$182.00

Your policy premium has changed by \$104.00. Of this amount, \$7.00 is due to a change in coverage and \$97.00 is due to a rate change approved by the Florida Office of Insurance Regulation and/or other changes initiated by you or us. (Does not include premium changes to Country Squire or other Misc. endorsements.)

State of Florida Emergency Management Fee:

\$2.00

\$1,013.00

Florida Insurance Guaranty Association Emergency Recoupment Surcharge 2023-A

\$10.00

POLICY TOTAL:

\$1,002.00

ADDITIONAL COVERAGES\CREDITS\SURCHARGES:

Credit for Increased Deductible Included

Building Code Effectiveness Grading Premium Adjustment \$28.00CR

Included

Max. Credit \$51.00 Max. Surcharge \$11.00

Hurricane Mitigation Credit Included

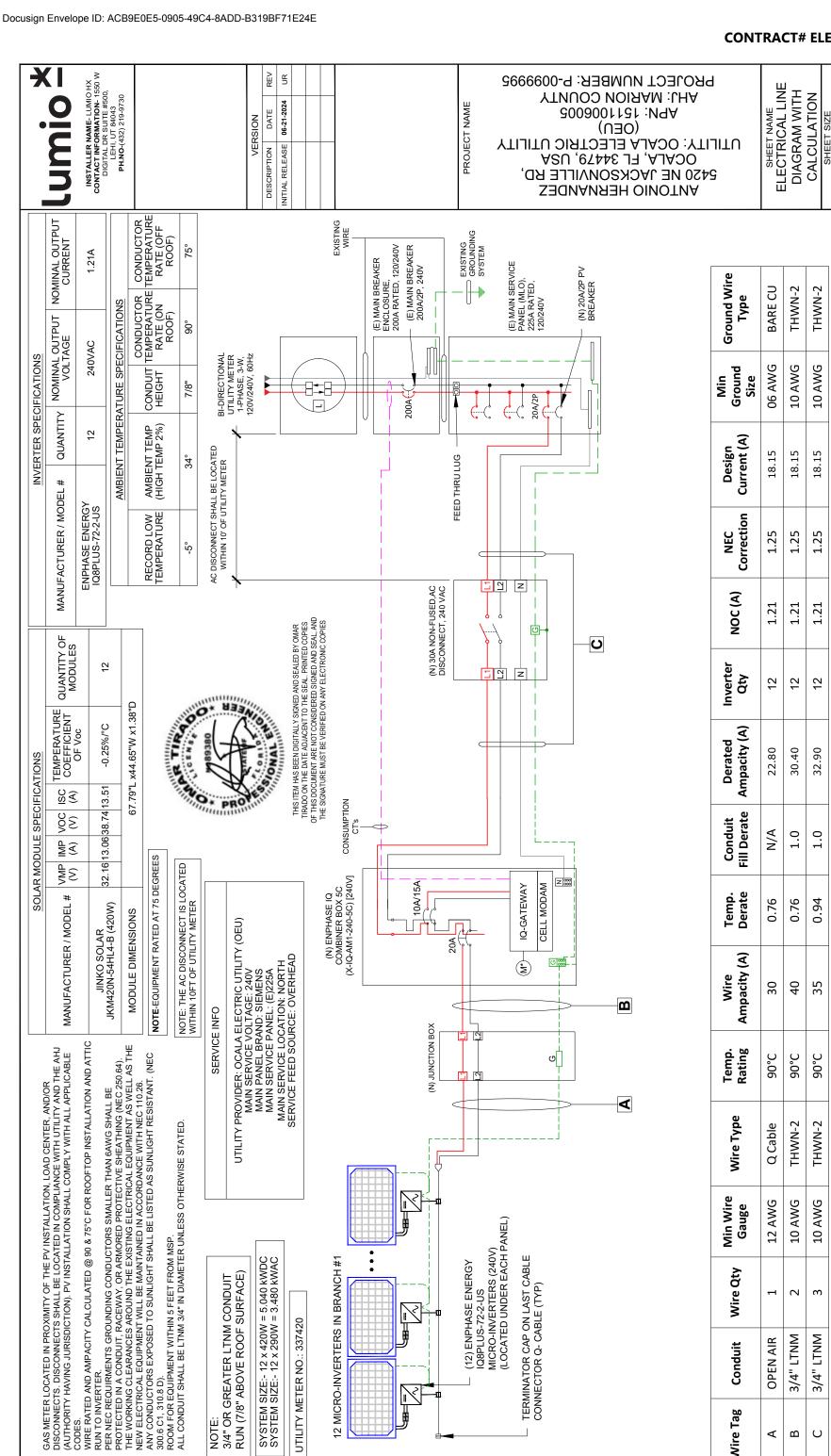
Sinkhole Loss Exclusion Credit Included

*** continued on next page ***

SHEET NUMBER

PV-4

11" X 17" **ANSI B**



(12) ENPHASE ENERGY IQ8PLUS-72-2-US MICRO-INVERTERS (240V) (LOCATED UNDER EACH PANEL)

SYSTEM SIZE:- 12 x 420W = 5.040 kWDC SYSTEM SIZE:- 12 x 290W = 3.480 kWAC

UTILITY METER NO.: 337420

NOTE: 3/4" OR GREATER LTNM CONDUIT RUN (7/8" ABOVE ROOF SURFACE)

12 MICRO-INVERTERS IN BRANCH #1

TERMINATOR CAP ON LAST CABLE CONNECTOR Q- CABLE (TYP)

AM WITH CALCULATION ELECTRICAL LINE DIAGR

Min Wire

Gauge

Wire Qty

Conduit

Wire Tag

12 AWG 10 AWG **10 AWG**

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3/4" LTNM 3/4" LTNM **OPEN AIR**

SCALE: NTS

STATE AND A CONTINUE OF THE PARTY AND A CONTINUE OF THE	*I		INSTALLER NAME-LUMIO HX CONTACT INFORMATION-1550 W DIGITAL DR SHIFT #500	LEHI, UT 84043 PH.NO-(432) 219-9730							2	INITIAL RELEASE 06-21-2024 UR		_			PROJECT NAME			נם,	Я Э. S ru с	VILL 99, U 3005 7U 1U 1U 1U 1U 1U 1U	N C 1000 1000 1000 1000 1000 1000 1000 10	ONIO HE	O NE SOCAI AF	542() /TIJI 4 AR(SHEET NAME	SAFETY PLAN	SHEET SIZE			SHEET NUMBER DV-6	
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	SYSTEM SIZE:- 12 x 420W = 5.040 kWDC SYSTEM SIZE:- 12 x 290W = 3.480 kWAC																					;	Z —	H	- W				NOTE : CREW LEAD MUST CONDUCT A DAILY ME	2	8	4 ı	ဂ ၑ	IOTE - FOR MIII TIPI F DAY JOBS, SAFETY MEETIN
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X INSTALLER NAME-LUMIO HX
CONTACT INFORMATION. 1550 W
DIGITAL DR SUITE #500.
LEHI, UT 84043
PH.NO-(432) 219-9730

PROJECT NUMBER: P-0099995

PROJECT NAME

YTUUOO NOIRAM: LHA OCALA, FL 34479, USA

OTILITY: OCALA ELECTRIC UTILITY

(OEU)

APN: 1511006005

APN: 1611006005 PATONIO HERNANDEZ 8420 NE JACKSONVILLE RD,

SPEC SHEETS SHEET NAME

ANSI B 11" X 17"

SHEET NUMBER
PV-8



27-37 16-48 22/48

IQ8 and IQ8+ Microinverters

DATA SHEET

1Q8 and IQ8+ Microinverters

IOB Series Microinverters are UL Listed as PV rapid shutdown equipment and conform with various regulations, when installed according to the manufacturer's instructions.

 Remote automatic updates for the latest grid requirements
 Configurable to support a wide range of grid profiles
 Meets CA Rule 21(UL 754-SA) and IEEE 1547:208 (UL 174+SB)
 MOTE: CERTIFIED Part of the Enphase Energy System, IQB Series Microinverters integrate with the IQ Battery, IQ Sateway, and the Enphase App monitoring and analysis software.

1.0

High productivity and reliability

Produce power even when the grid is down*
More than one million cumulative hours of (PLC) between Microgrid-forming

• Compliant with the latest advanced grid support**

9

1.08 kg (2.38 lbs) 7.76

R

DESCRIPTION DATE
INITIAL RELEASE 06-21-2024

DESCRIPTION

VERSION

R

DESCRIPTION DATE
INITIAL RELEASE 06-21-2024

DESCRIPTION

VERSION

SPEC SHEETS

SHEET NAME

INSTALLER NAME-LUMIO HX
CONTACT INFORMATION. 1550 W
DIGITAL DR SUITE #500,
LEHI, UT 84043
PH.NO-(432) 219-9730

PROJECT NUMBER: P-0099995 YTNUOO NOIAAM : LHA

PROJECT NAME

Optional, 802.3, Cat5E (or Cat 6) UTP Ethy Cloud through the internet

UTILITY: OCALA ELECTRIC UTILITY
(OEU)
APN: 1511006005 OCALA, FL 34479, USA **2450 NE JACKSONVILLE RD, ANTONIO HERNANDEZ**

IO Load Controller
Helps prioritize essential appliances
during a grid outage to optimize energy
consumption and prolong battery life.

Supports up to four 2-pole branch circuits for 240 VAC plug-in breakers frort included)
 80 A total PV branch circuits
 Bluetooth-based Wi-Fl provisioning for easy Wi-Fi setup

Easy to install

Mounts to one stud with centered brackets Supports bottom, back, and side conduit entries

IQ Series Microinverters
The high-powered smart grid-ready IQ Series
Microinverters (IQ6, IQ7, and IQ8 Series) simplify
the installation process.

IQ Battery 5P Fully integrated AC battery system. Includes six field-replaceable IQ8D-BAT Microinverters.

Reliable

- Durable NRTL-certified NEMA type 3R enclosure

- 5-year limited warranty

- 2-year labor reimbursement program coverage included for both the IQ Combiner SKUs

- ULTA1Listed

NOM

IQ Combiner 5/5C

⊕ ENPHASE

MODEL NUMBER	
IQ Combiner 5 (X-IQ-AMI-240-5)	IQ Combiner 5 with IQ Gateway printed circuit board for integrated revenue-grade PV production metering MISCID 22-0250, consumption monitoring (£.25%), and IQ Battery monitoring (£.25%), and IQ Battery monitoring (£.25%).
IQ Combiner 5C (X-lQ-AMI-240-5C)	10 Combiner 5C with 10 Gateway printed circuit board for integrated evenus-grade PV production neeting AURI CL22.00.045%, consumption monitoring (£2.5%) and (D Buttery monitoring (£2.5%), includes Enphase Mobile Connect cellular modem (CELLMODEM-MH-06-SP-09), includes a silver solar shield to deflect heat.
WHAT'S IN THE BOX	
IQ Gateway printed circuit board	IO Gateway is the platform for total energy management for comprehensive, remote maintenance, and management of the Enphase Energy System
Busbar	80 A busbar with support for 1 * IQ Gateway breaker and 4 * 20 A breaker for installing IQ Series Microinverters and IQ Battery 5P
IQ Gateway breaker	Circuit breaker, 2-pole, 10 A/15 A
Production CT	Pre-wired revenue-grade solid-core CT, accurate up to ±0.5%
Consumption CT	Two consumption metering clamp CTs, shipped with the box, accurate up to ±2.5%
IQ Battery CT	One battery metering clamp CT, shipped with the box, accurate up to ±2.5%
CTRL board	Control board for wired communication with IQ System Controller 3/3G and the IQ Battery 5P
Enphase Mobile Connect (only with IQ Combiner 5C)	4G-based LTE-MI cellular modem (CELLMODEM-MI-06-SP-05) with a 5-year T-Mobile data plan
Accessories kit	Spare control headers for the COMMS-KIT-02 board

X-IQ-AM1-240-5 X-IQ-AM1-240-5C

Smart

Includes IO Gateway for communication and control

Includes Explass Mobile Connect (CELLMODEM-MH-O6-SP-05), only with IO Combiner 5C

Supports Parklie networking Wi-Fi. Ethernat, or cellular

Provides production metering (fewenue grade) and consumption monitoring

The IO Combiner 5/5C consolidates interconnection equipment into a single enclosure and streamlines 10 Series Microhyerters and 10 Setes will converters and 10 Setes will converte star and 10 Setes will control residential applications. IO Combine 5/5C uses wired control communication and is compatible with IO System Controller 3/3G and IO Battery 5P.

IQ Combiner 5/5C

The IQ Combiner 5/5C, IQ Series Microinverters, IQ System Controller 3/3G, and IQ Battery 5P provide a complete grid-agnostic Enphase Energy System.

Accessories kit	Spare control headers for the COMMS-KIT-02 board
ACCESSORIES AND REPLACEMENT PARTS (NOT INCLUDED, ORDER SEPARATELY)	ORDER SEPARATELY)
CELLMODEM-M1-06-SP-05	4G-based LTE-M1 cellular modem with a 5-year T-Mobile data plan
CELLMODEM-M1-06-AT-05	4G-based LTE-Mf cellular modem with a 5-year AT&T data plan
Circuit breakers (off-the-shelf)	Supports Ed on BR2XX. Siemens OZXX and GE/ABB THQL2XXX Series circuit breakers (XX represents (0, 5, 50, 40, 60, 60). Also supports Earon BR2ZOB, BR2XGB, and BR2AGB circuit breakers recompable with the inclid-down kit.
Circuit breakers (provided by Enphase)	BRK-10A-2-240V, BRK-15A-2-240V, BRK-20A-2P-240V, BRK-15A-2P-240V-B (more details in the "Accessories" section)
XA-SOLARSHIELD-ES	Replacement solar shield for IQ Combiner 5/5C
XA-ENV2-PCBA-5	IQ Gateway replacement printed circuit board (PCB) for IQ Combiner 5/5C
X-IQ-NA-HD-125A	Hold-down kit compatible with Eaton BR-B Series circuit breakers (with screws)
XA-COMMS2-PCBA-5	Replacement COMMS-KIT-02 printed circuit board (PCB) for IQ Combiner 5/5C
ELECTRICAL SPECIFICATIONS	
Rating	80A
System voltage and frequency	120/240 VAC, 60 Hz
Busbarrating	125A
Fault current rating	10 KAIC
Maximum continuous current rating (input from PV/storage)	64 A
Branch circuits (solar and/or storage)	Up to four 2-pole Eaton BR, Siemens Q, or GE/ABB THQL Series distributed generation (DG) breakers only (not included)
Maximum total branch circuit breaker rating (input)	80 A of distributed generation/95 A with IQ Gateway breaker included
IQ Gateway breaker	10 A or 15 A rating GE/Siemens/Eaton included
Production metering CT	200 A solid core pre-installed and wired to IQ Gateway
Consumption monitoring CT (CT-200-CLAMP)	A pair of 200 A clamp-style current transformers is included with the box
IQ Battery metering CT	200 A clamp-style current transformer for IQ Battery metering, included with the box

ANSI B 11" X 17"

SHEET NUMBER
PV-9

SPEC SHEETS

SHEET NAME



SOLAR PRODUCT

EAGLE 54 G6R

Positive power tolerance of 0~+3% 420-440 WATT • N-TYPE TOPCON

- NYSE-listed since 2010, Bloomberg Tier 1 manufacturer

Top performance in the strictest 3rd party labs

- Automated manufacturing utilizing artificial intelligence
- Vertically integrated, tight controls on quality
- Premium solar factories in USA, Vietnam, and Malaysia

KEY FEATURES



Black backsheet and black frame create ideal look for residential applications. Superior Aesthetics



N-type cells with Jinko's in-house TOPCon technology offers better performance and improved reliability. Thick and Tough



Fire Type 1 rated module engineered with a thick frame, 3.2mm front side glass, and thick backsheet for added durability



Certified to withstand humidity, heat, rain, marine environments wind, hailstorms, and packed snow. Protected Against All Environments

even with shading by trees or debris.



Warranty



25-year product and 30-year linear power warranty







 ISO45001: 2018 Occupational Health & Safety Standards
 UL61730 certified products

BUILDING YOUR TRUST IN SOLAR. WWW.JINKOSOLAR.US

ISO14001:2015 Environmental Standards
 IEC61215, IEC61730 certified products

ISO9001:2015 Quality Standards







BUILDING YOUR TRUST IN SOLAR. WWW.JINKOSOLAR.US

MECHANICAL CHARACTERISTICS

108 bmm [42.68"

Back

ENGINEERING DRAWINGS

INSTALLER NAME. LUMIO HX
CONTACT INFORMATION. 1550 W
DIGITAL DR SUITE #500,
LEHI, UT 94043
PH.NO-(432) 219-9730

X

No. of Half Cells 108 (2 x 54) Dimensions 1722 x 1134 x 35mm (67.79 x 44.4 Weight 22.0kg (48.5lbs) Front Glass 3.2mm, Anti-Reflection Coating High Transmission, Low Iron, Te Frame Anodized Aluminum Alloy Junction Box 1P68 Rated Output Cables 12 AWG, 1400mm (55.12in) or Cu Connector Staubli MC4	108 (2 x 54) 1722 x 1134 x 35mm (67.79 x 44.65 x 1.38 inch) 22.0kg (48.51bs) 3.2mm, Anti-Reflection Coating High Transmission, Low Iron, Tempered Glass Anodized Aluminum Alloy 12 AWG, 1400mm (55.12in) or Customized Length Staubli MC4
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Temperature Coefficients of Pmax -0.25%/°C -0.25%/°C Temperature Coefficients of Isc 0.045%/°C Nominal Operating Cell Temperature (NOCT) 45±2°C	TEMPERATURE CHARACTERISTICS	
ture (NOCT)	ure Coefficients of Pmax	-0.24%/°C
	ure Coefficients of Voc	-0.25%/°C
_	Temperature Coefficients of Isc	0.045%/°C
	Operating Cell Temperature (NOCT)	45±2°C

Width: ± 2mm Height: ± 1mm Row Pitch: ± 2mm Length: ± 2mm

REV R

DATE

DESCRIPTION

VERSION

INITIAL RELEASE 06-21-2024

MAXIMUM RATINGS

Temperature Dependence

of Isc, Voc, Pmax

Current-Voltage & Power-Voltage Curves (440W)

ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE

Operating Temperature (°C)	J.68+~J.07-
Maximum System Voltage	1000VDC
Maximum Series Fuse Rating	25A

PACKAGING CONFIGURATION

PROJECT NAME

31pcs/pallets, 62pcs/stack, 806pcs/40 HQ Container (Two pallets = One stack)

WARRANTY

 $1^{5!}$ year degradation not to exceed 1% , each subsequent year not to exceed 0.4% , minimum power at year 30 is 87.4% or greater. 25-year product and 30-year linear power warranty

PROJECT NUMBER: P-0099995 AHJ: MARION COUNTY

OCALA, FL 34479, USA

UTILITY: OCALA ELECTRIC UTILITY

(OEU)

APN: 1511006005

2450 NE 1YCK2ONAIFFE BD **ANTONIO HERNANDEZ**

> 22.28% 32.78V 39.36V 435Wp 13.27A 13.72A 323Wp 30.30V 10.66A 37.20V 430Wp 32.587 13.20A 39.16V 13.65A

> > 10.96A

13.58A

38.95V

36.80V

21.76%

21.51%

*STC: • Irradiance 1000W/m² NOCT: • Irradiance 800W/m²

*Power measurement tolerance: ±3%

37.59V

39.57V

37.397

11.14A 22.53%

13.80A

11.08A

30.73V

10.77A

13.34A

10.72A

331Wp

440Wp 32.997

327Wp 30,50V

JKM440N-54HL4-B

JKM435N-54HL4-B STC NOCT

JKM430N-54HL4-B NOCT

JKM425N-54HL4-B

ELECTRICAL CHARACTERISTICS

STC

NOCT 320Wp 30.19V 10.60A 37.00V

32.37V

29.95V

Maximum Power Voltage (Vmp) Maximum Power Current (Imp) Open-circuit Voltage (Voc) Short-circuit Current (Isc) Module Efficiency STC [%]

Maximum Power (Pmax)

13.13A

425Wp

420Wp 32.16V 13.06A 38.74V

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	2 2
	ΣΣ
L	22
	DD
П	

Cell Temperature 25°C
Ambient Temperature 20°C

Speed 1m/s

the company reserves the final right for explanation on any of the information presented hereby. JKM400-420N-54HL4-B-F1-US

SHEET NUMBER

PV-7

11" X 17" **ANSI B**

Certificate Of Completion

Envelope Id: ACB9E0E5090549C48ADDB319BF71E24E

Subject: FOR SIGNATURE: Net-Metering Agreement - Nilmarie Cuevas (ELE/250070)

Source Envelope:

Document Pages: 27 Signatures: 5 **Envelope Originator:**

Certificate Pages: 5 Initials: 0 April Adolf

AutoNav: Enabled

Envelopeld Stamping: Enabled

City Hall, Third Floor Time Zone: (UTC-05:00) Eastern Time (US & Canada) Ocala, FL 34471

aadolf@ocalafl.gov

110 SE Watula Avenue

Status: Completed

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Status: Original Holder: April Adolf Location: DocuSign

10/30/2024 4:20:45 PM aadolf@ocalafl.gov

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Signer Events Signature **Timestamp**

William E. Sexton wsexton@ocalafl.org City Attorney

City of Ocala

Security Level: Email, Account Authentication

(None)

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Electronic Record and Signature Disclosure:

Not Offered via DocuSign

Janice Mitchell jmitchell@Ocalafl.org

CFO City of Ocala

Security Level: Email, Account Authentication

(None)

Janice Mitchell

Signed by:

Signature Adoption: Pre-selected Style Using IP Address: 216.255.240.104

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ID: d886422f-4e84-40b7-bb91-ce811a6d69cd

Chris Gowder

chris.gowder@fmpa.com VP of IT/OT and System Ops

Security Level: Email, Account Authentication

(None)

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Editor Delivery Events	Status	Timestamp
Agent Delivery Events	Status	Timestamp
Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp
Carbon Copy Events	Status	Timestamp
Witness Events	Signature	Timestamp
Notary Events	Signature	Timestamp
Envelope Summary Events	Status	Timestamps
Envelope Summary Events Envelope Sent	Status Hashed/Encrypted	Timestamps 10/30/2024 4:39:48 PM
•		•
Envelope Sent	Hashed/Encrypted	10/30/2024 4:39:48 PM
Envelope Sent Certified Delivered	Hashed/Encrypted Security Checked	10/30/2024 4:39:48 PM 10/31/2024 3:56:13 PM
Envelope Sent Certified Delivered Signing Complete	Hashed/Encrypted Security Checked Security Checked	10/30/2024 4:39:48 PM 10/31/2024 3:56:13 PM 10/31/2024 3:56:20 PM

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