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

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.

1. Customer Information

Name: Mary K. Zorich	
Mailing Address: 2771 NE 66th Stre	et
City: Ocala	State: Zip Code: 34479
Phone Number: <u>352-502-1319</u>	Alternate Phone Number:
Email Address: ladyhiker.gsmnp@gi	mail.com Fax Number:
Ocala Electric Utility Customer Accoun	t Number: <u>528869-162473</u>
2. RGS Facility Information	
Facility Location: 2771 NE 66th Stre	et Ocala, Fl. 34479
Ocala Electric Utility Customer Accoun	t Number: <u>528869-162473</u>
RGS Manufacturer: Jinko Solar Co. L	_td.
Manufacturer's Address: NO 1 Jinko I	Road
SHANGRAO EC	ONOMIC DEVELOPMENT ZONE SHANGRAO JIANGXI 334100 CN
Reference or Model Number: JKM380	M-6RL3-B
Serial Number:	

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

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3. Facility Rating Information

Gross Power Rating: <u>9.49kWac</u> ("Gross power rating" 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 Ocala Electric Utility's distribution facilities. For
inverter-based systems, the AC nameplate generating capacity 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.)

Fuel or Energy Source: Solar PV

Anticipated In- Service Date: 2/5/25

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.

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OCALA ELECTRIC UTILITY OCALA, FLORIDA (Continued from Sheet No. 19.1)

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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: Mary K. Zorich (Print Name)

(Signature)

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

CONTRACT# ELE/250413

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 <u>5th</u> day of <u>February</u>, 20 <u>25</u>, by and between the Florida Municipal Power Agency, a 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 politic (hereinafter "OEU"), and <u>Mary K. Zorich</u>, a 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.

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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.

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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. <u>Assignment</u>. 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 <u>Amendment</u>. 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. <u>Indemnification</u>. 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. <u>Governing Law</u>. 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)

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. <u>Enforcement of Agreement</u>. 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. <u>Severability</u>. 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. <u>Third Party Beneficiaries and Sovereign Immunity</u>. 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)

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.

Date: ____ 2/5/25

City of Ocala Electric Utility

Florida Municipal Power Agency

Customer By: Mary K. Zorich

(Print Name) <u>Man</u><u>K-</u> (Signature)

Customer's City of Ocala Electric Utility Account Number: 528869-162473

Approved as to form and legality:

William E. Scaton William E. Sexton, Esq. City Attorney

(Continued on Sheet No. 20.6)

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.

CONTRACT# ELE/250413

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 this <u>5th</u> day of <u>February</u>, 20 <u>25</u>, by and between <u>Mary K. Zorich</u>, (hereinafter called "Customer"), located at <u>2771 NE 66th Street</u> in <u>Ocala</u>, Florida, and the City of Ocala doing business as Ocala Electric Utility (hereinafter called OEU), a body politic. Customer and OEU shall collectively be called the "Parties". The physical location/premise where the interconnection is taking place: <u>2771 NE 66th Street Ocala</u>, 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.

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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)

OCALA ELECTRIC UTILITY OCALA, FLORIDA (Continued from Sheet No. 21.2)

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

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)

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)

CONTRACT# ELE/250413

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

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

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)

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)

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)

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

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

Customer:

City of Ocala Electric Utility:

By: Javice Mitchell

Title: CFO

Date: 2/21/2025

By: Mary K. Zorich (Print Name) M_{2} X_{2} (Signalure) Date: 2/5/25

City of Ocala Electric Utility Account Number:

528869-162473

Approved as to form and legality:

William E. Scyoton

William E. Sexton, Esq. City Attorney

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

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State Farm Florida Insurance Company A Stock Company With Home Offices in Tallahassee, Florida

PO Box 2356 Bloomington IL 61 702-2356

AT2 H-19-6548-FB0E F H W 3200 ZORICH, MARY K 2771 NE 66TH ST OCALA FL 34479-1450

CONTRACT# ELE/250413

State Farm[®]

RENEWAL DECLARATIONS

UCALA IL J	4479 1450		
		AMOUNT DUE: None	
		Payment is due by BILLED THROUGH SFPP	
_		Policy Number: 79-CT-B787-9	
		Policy Period: 12 Months	
		Effective Dates: MAY 10 2024 to MAY 10 2025 The policy period begins and ends at 12:01 am standard time at the residence premises.	
Homeowners P	olicy	Your State Farm Agent BART BLESSING	
Location of Residen	ce Premises	3227 SE MARICAMP RD STE 102	
2771 NE 66TH ST		0 CALA FL 34471-0832	
OCALA FL 34479-	1 450		19
		Phone: (352) 694-9100	3200
Construction:	Frame	Roof Material: Composition Shingle	
Year Built:	1996	Roof Installation Year: 2019	_
Automatic Renewal			33 H
		is policy will be renewed automatically subject to the premiums, rules,	003033
		iod. If this policy is terminated, we will give you and the Mortgagee/Lien-	5
holder written notice	e in compliance with the policy	r provisions or as required by law.	

IMPORTANT MESSAGES

For the full name of each assessment entity and the dollar amount, please see Additional messages. NOTICE: Information concerning changes in your policy language is included. Please call your agent with any questions. Coverage Change Premium Increase \$18.00 Rate Change Premium Increase \$133.00 Please help us update the data used to determine your premium Contact your agent with the year each of your home's utilities (heating/cooling, plumbing, or electrical) and roof were last updated.

PREMIUM

Annual Premium		\$1,889.00
Hurricane Premium	461.00	(Included)
Other Covered Losses	1,428.00	(Included)
FL EMPA ASSESSMENT		2.00
FIGA ASSESSMENT 4		18.89
Your premium has already been a	adjusted by the following:	
Bldg Code Rating	Home/Auto Discount	
Claim Record Discount	Wind Mitigation Discount	
Loyal Customer	-	

Total Premium

Prepared MAR 11 2024 UU 2000

Thanks have letting as serve you.

Page 1 of 4

\$1,909.89

Homeowners Policy Location of Residence Premises

CONTRACT# ELE/250413

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MORTGAGEE AND ADDITIONAL INTERESTS

ZORICH, MARY K

Coverage	Limit	t of Liability
A Dwelling	\$	259,800
Other Structures	\$	25,980
B Personal Property	\$	194,850
C Loss of Use	\$	77,940
Additional Coverages		
Arson Reward		\$1,000
Credit Card, Bank Fund Transfer Card, Forgery, and Counterfeit Money		\$1,000
Debris Removal	Additional 5% available/\$1,000	
Fire Department Service Charge	\$500 per	occurrence
Fuel Oil Release		\$10,000
Locks and Remote Devices		\$1,000
Trees, Shrubs, and Landscaping	5% of Coverage A amount/\$	750 per item
SECTION II - LIABILITY COVERAGES AND LIMITS		
Coverage	Limi	t of Liability
L Personal Liability (Each Occurrence)	\$	300,000
Damage to the Property of Others	\$	1,000
M Medical Payments to Others (Each Person)	\$	5,000
INFLATION		
Inflation Coverage Index: 348.3		
DEDUCTIBLES		
Section I Deductible	Deduct	ible Amount
All Losses 1%	\$	2,598
LOSS SETTLEMENT PROVISIONS		
A1 Replacement Cost - Similar Construction		

A1 Replacement Cost - Similar Construction B1 Limited Replacement Cost - Coverage B

o1F1081A

		System automatic oneration diagram	for a second a		PV Array		-	-	Micro	TINNELGEL	-	-[Point of USIRY	Comection	-	Revenue Meter]
	PVS/gen			3-8		BOONT		Arthers		ner				Uisting / Compliance	UL 1703	UL 1741	n
	of Grid-Tieo	11,165 W	11266 W	KM385M-6R.3-8	8	HM-1500NT + HM-800NT		Built into micro-inversers	5-Miles Cloud	Electrical Combiner	200.00 A	ULIISed		Model	385 W	HM-150 0NT	DC & AC
System Description	Installation of Grid-Tied PV System			NN		HM-150		Builtint	ý	flect		M electrical equipment installed are ULIIsted		Manufacturer	JKM385M-68L3-8	Hoymiles	Hoymiles
Syste	System type	STC rand DC Power output	Nominal AC Power Output	PVmodule model	PV module Qty	Inverter model	Inverter Qty	Repid Shut down System	Monitoring System	Solar Breaker Box	Service rating	All dectrical equi		libe m	PV modulės	inv orbors.	All overcurrent protection

10 III	DC & AC	Hoymiles ERATION	M overcurrent protection Hoymiles 0C.8.AC UL SYSTEM AUTOWITIC OPERATION
'n	DC & AC		All overcurrent protection
0F 10	HM-150 0MT	Hoymites	Invertors
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any eccess entropy will be fed back into the detorical grid. Card power is local, photovoltaic system automatically disconnects from the grid as per UL1341 standards. J. Photovoltaic system via automatatic resume feating power to the grid when the proper voltape and frequency is restored LEEE Sandards and	iaword aveo	Is he source, province of a province in source war or us for the province of t
 Grid power is lost, photoveltaic system automatically disconnects from the grid as per UL1741 standoms. Photovoltaic system will automatically resume feeding power to the grid when the proper voltage and frequency is respond (IEEE Standards) and 	W excess energ	r/ will be fed back into the electrical grid.
e grid as per UL1741 standards. Photovolatic system val automatically resume feeting power to the grid hen the proper voltage and frequency is restored (LEEE Sandards) and	Grid power	is lost, photovoltaic system automatically disconnects from
Photovoltaic system will automatically resume feeding power to the grid hen the proper voltage and frequency is restored (IEEE Standards) and	e grid as per UI	L1741 standards.
hen the proper voltage and frequency is restored (IEE Standards) and	Photovotak	c system will automatically resume feeding power to the grid
	hen the proper	voltage and frequency is restored (IEEE Standards) and

when the proper voltage and frequency is restored (IEEE Standards) and there is erough surlight.	Rapid Shutdown of PV System by NEC 2020 Section 690.12:	Hournlike: Micro-inverter Systems in the meet the capital Shutdown requirement without the meed of an additional Rapid Shutdown initiator. The AC Solar Breaker or Disconnect function as Rapid shutdown switch.
when the proper voltage a there is enough surlight.	Rapid Shutdow	 Hoymiles M fully meet 1 requirement additional F The AC Soli function as

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ELECTRICAL NOTES

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Interior of Building Main Panel 200A M.C.B.

Riser otherwise. All elements in **EXISTING**" All enclosure

am will be <u>NEW</u> unless specified as toors will be rated <u>NEMA_3R</u> and all i distance must be i. can run inclosures located outdoors

enclosure located indoors will be rated NEMA 1 unless	O LITHER WISHES.	. All conduits running on the roof surface will have a	greater than 7/8 inch from roof to bottom of conduit.	. All NEW Solar AC Disconnect and Battery Disconnect	LOCKABLE as per 690.15(D)	. AC Circuits from micro-inverters to each circuit O.C.P.D.	inside the attic. Use FMC in this situation.	 All Splices or Taps inside switch and overcurrent device er 	must comply with 312.8(A)	Flexible metal conduit (FMC) must be grounded.	 FMC must comply with NEC 690.3, 690.4 & 690.31 	When northrminn a Load Side Connection solar hardfood

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EXISTING #4 G.E.C. o existing younding

reakers: installed in a location where subject to which is to be protected by safety bollards or othe

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CONTRACT JUDIE	
# wire in branch conduit.	luit.
#10 THWN-2	4
#8 THWN-2	1
Area (mm ¹)	
#10 THMN-2	13.61
#8 THWN-2	23.61
Total area of wires	78.05
Conduit trade size (inch)	3/4
Conduit area	343
Over 2 wires reduction factor	0.4
Effective area	137.2
% of conduit used	56.9%
No. wire in main conduit.	duit.
#6 THWN-2	3
#8 THWN-2	1
(uuu) eavy	
#6 THWN-2	32.71
#8 THWN-2	23.61
Total area	121.74
Conduit trade size (inch)	3/4
Conduit area	343
Over 2 wires reduction factor	0.4
Effective area	137.2
% of conduit used	88.7%

	Point of interconnection	connection
	Type of connection	Line side tap
	Install	Performa Line Side the line side of the Breaker. Use Insul cable connector
	Supplication contraction three aids connection) Sec (2015.13.18) down for the nervon-enciron (or power port ourse to the supplication of the service docrane means. The condition is but the sum of the overse protection of devices (COD) from the V system corre- port of the service conductors. Section 702.13 (2013) is intereded the air struc- factor and construction and the over the from overcurrent and the over pair.	Side correction (Line-side correction) Sec solution the interconnection of power podo to the supply side of the served discorres on devices (OCPS) from the PV system correc- tion devices (OCPS) from the PV system correc- vice conductors can corrected the rating vice conductors can correct the balance encounters and (will be only upply when a set tag is performed.
	Solar OCPD rating	60 A
	Rating of service conductors (Table 310.16)	200 A
	Rating of service conductors > Solar OCPD rating	YE
	Labels in accordance with NEC	be with NEC 690
	Note Table, Ground Fault Protection and Max Circuit Voltage on Cold Temperature	Protection and Max Cold Temperature
	Ground Fault Protection	Protection
	In an Hoyenties system, ground fault protection is provided generation reconverter and the intruduction and the system and fault protection is provided by a ground fault sector training, which include ground fault protection (GP), it can reserve with ghe Guiteway	t protection is provided in the grant of grounding, t by a ground fault zersi a Class II double-insul at protection (GE P). It can
	Maximum circuit voltage on cold temperature	on cold temperature
	Open circuit voltage for the oldar module used is 44.34 V as maximum input CC voltage of the Micro-inverse is 60 V. T 690.7Å/ notices the open circuit voltage of the solar arra multipled by 1.12 (using 23 Degrees F)	iodule used is 44.34 V a dicro-inverter is 60 V. T. odtage of the solar arra- is F)
	44.34V×1.12 = 49.0608V	
	49.6603V < 60V	

cuit vedaga per tent estar modelle undel 6 val. 34 v and the in inpart DC vedage effthe Micro-inverse is 60 v. Table requires the speer effortivit vedage of the axiar array to be d by 1.12 (using 23 Dagrees F).

cable con nec tors.	The second control con	60 A	200 A	YES	Hs in accordance with NEC 690	ound Fault Protection and Maximum Voltage on Cold Temperature	Protection	rem, ground fault protection is provided in at well in includes in any and grounding, the coron is provided by a ground static series where itelations a classi is double-insulated the ground fault protection (Gift). It can be groups	m circuit voltage on cold temperature	w for the sciar module used is 41.34 V and the V diage of the Micro-invector is 60 V. Table he open circuit vidage of the solar array to be (using 23 Degrees F)		terms of maximum voltage, the micro-inverter 34y.	
	whecklon (line-side con the the reconnection of the reconnection of matter of the servic mediators is that the sum of matter of the servic service conductors. Service conductors. (B)(2) Sintremedia to p (B)(2) Sintremedia to p side tap is performed	D rating	s conductors 0.16)	conductors Drating	els in accordan.	ound Fault P Voltage on C	Ground Fault Protection	tem, ground faul evel in includes cition is provided twetter itself has des ground fault away	m circuit voltage	is for the solar modu voltage of the Micro he open circuit with (using 23 Degrees F)	V8030	terms of maxim. city.	

on (Line-side connection): Section terconnection of power poduction rside of the service disconnecting	Is that the sum of the overcurrent PDS) from the PV system connected processmont exceed the rating of the Are conductors. It is intended to protect the busbar tap is performed.	60 A	200 A	YES	condance with NEC 690	Fault Protection and Maximum ge on Cold Temperature	nd Fault Protection	aund fault protection is provided in at includes laward grounding, the provided by a ground fault earling teidthus a class il double-insulend ind fault protection (GPP). It can be	t volt age on cold temperature	e sdær module used is 44.34 V and the a of the Micro-inverter is 60 V. Table
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AGES. Marcine Control	Receive and an official and a second	PLASTEN DISCONNECT

ELECTRICAL CALCULATIONS

2771 NE 66th St , Ocala , Florida 34479

Mary Zorich

oe ID: 83DE2223

REVISION/S

Month Sector (1997) M

302.260.7000

American Solar Installation Company

SOLAR CONTRACTOR

System Riser Diagram

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Project:

PROJECT INFORMATION

13

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(1) #6 Bare cooper ground wire

Junction Box (6'x6'x4" MIN.) stan from Trank cable to THWN-2 in conduct. e cooper grown wire #6 hanges to THWN-2 #8

UEZ* 2334

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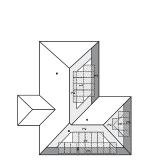
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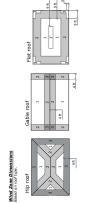
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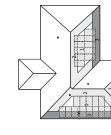
Roof Wind Zones and module exposure As per ASCE 7-22 Figure 30.3-34 to 21 and ASCE 7-22 29.4.4 Scale: 1/16" = 1"

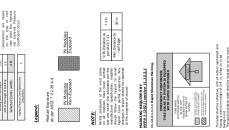
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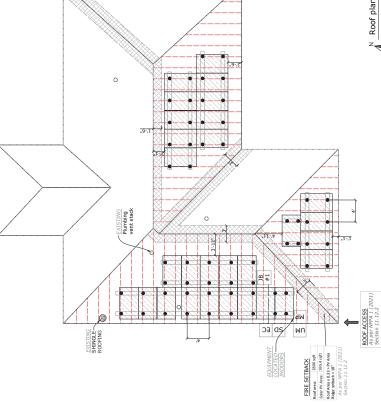


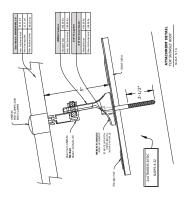












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STRUCTURAL NOTES

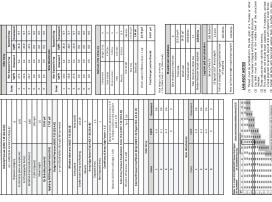
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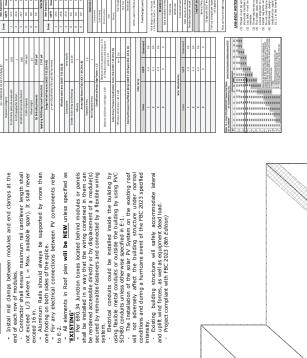
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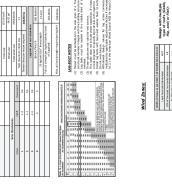


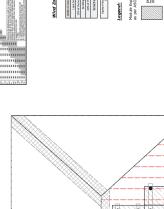




Typical 3-Rail system

Typical 2-Rail system





hoymiles

CONTRACT# ELE/250413

Open Energy For All



Microinverter Datasheet

HM-1200NT HM-1500NT

Description

Hoymiles 4-in-1 microinverter is one of the most cost-effective module-level solar solutions, as it can support up to 4 panels at once and maximize the PV production of your installation. With a maximum DC voltage of 60 volts, Hoymiles microinverter is a PV Rapid Shutdown Equipment and conforms with NEC-2017 and NEC-2020 Article 690.12 and CEC-2021 Sec 64-218.

Both models listed are equipped with reactive power control and can meet the requirements of IEEE 1547, UL 1741 and CA Rule21.

Features

01	Easy installation, just plug and play	04	External antenna for stronger communication with DTU
02	With Reactive Power Control, compliant with CA Rule 21		
03	Compliant with U.S. NEC-2017&NEC-2020 690.12 rapid shutdown	05	High reliability: NEMA 6 (IP67) enclosure, 6000 V surge protection

Region: North America V202108 © 2021 Hoymiles Power Electronics Inc. All rights reserved hoymiles.com ales@hoymiles.com

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Technical Specifications

Model	HM-1200NT		HM-1500NT		
Input Data (DC)					
Commonly used module power (W)	240 to	o 405+	300 to 505+		
Maximum input voltage (V)		6	50		
MPPT voltage range (V)		16-	60		
Start-up voltage (V)		2	2		
Maximum input current (A)	4×11.5		4×11.5		
Output Data (AC)					
Peak output power (VA)	1260	1200	1500	1350	
Maximum continuous output power (VA)	1200	1109	1438	1246	
Maximum continuous output current (A)	5	5.33	5.99	5.99	
Nominal output voltage/range (V) ¹	240/211-264	208/183-228	240/211-264	208/183-228	
Nominal frequency/range (Hz) ¹		60/5	5-65		
Power factor (adjustable)		>0.99 (0.8 leading			
Total harmonic distortion			3%		
Maximum units per 10AWG branch ²	4	4	4	4	
Efficiency					
CEC peak efficiency		96.	7%		
CEC weighted efficiency		96.	5%		
Nominal MPPT efficiency		99.	8%		
Nighttime power consumption(mW)		<[0		
Mechanical Data					
Ambient temperature range (°C)		-40 to	o +65		
Dimensions (W \times H \times D mm)		280 × 1	76 × 33		
Weight (kg)		3.	35		
Enclosure rating		Outdoor-NE	MA 6 (IP67)		
Cooling		Natural convec	ction – No fans		
Features					
Communication		2.4GHz Proprie	etary RF (Nordic)		
Monitoring		S-Miles	s Cloud ³		
Warranty		Up to 2	25 years		
Compliance	UL 1741, IEEE 1547, UL 1741 SA CSA C22.2 No. 107.1-16, Fi				
PV Rapid Shutdown	Co	onforms with NEC-2017 a I CEC-2021 Sec 64-218 Ra	nd NEC-2020 Article 690).12	

*1 Nominal voltage/frequency range can vary depending on local requirements. *2 Refer to local requirements for exact number of microinverters per branch. *3 Hoymiles Monitoring System.

hoymiles

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Open Energy For All



Microinverter Datasheet

HM-600NT HM-700NT HM-800NT

Description

Hoymiles 2-in-1 microinverter can connect up to 2 panels at once and maximize the PV production of your installation. With a maximum DC voltage of 60 V, Hoymiles microinverter is a PV Rapid Shutdown Equipment and conforms with NEC-2017 and NEC-2020 Article 690.12 and CEC-2021 Sec 64-218.

All of the three models listed are equipped with reactive power control and can meet the requirements of IEEE 1547, UL 1741 and CA Rule21.

Features

01	Easy installation, just plug and play	04	External antenna for stronger communication with DTU
02	With Reactive Power Control, compliant with CA Rule 21		
03	Compliant with U.S. NEC-2017&NEC-2020 690.12 rapid shutdown	05	High reliability: NEMA 6 (IP67) enclosure, 6000 V surge protection

CONTRACT# ELE/250413

Technical Specifications

Model	HM-6	00NT	HM-7	00NT	HM-8	800NT
Input Data (DC)						
Commonly used module power (W)	240 to	405+	280 to 470+		320 to	o 540+
Maximum input voltage (V)			6	0		
MPPT voltage range (V)			16	-60		
Start-up voltage (V)			2	2		
Maximum input current (A)	2 ×	11.5	2 ×	11.5	2 ×	12.5
Maximum input short circuit current (A)			2 ×	: 15		
Number of MPPTs			:	2		
Number of inputs per MPPT				1		
Output Data (AC)						
Peak output power (VA)	60	00	7(00	8	00
Maximum continuous output power (VA)	59	90	69	96	7	66
Maximum continuous output current (A)	2.46	2.84	2.90	3.35	3.19	3.68
Nominal output voltage/range (V) ¹	240/211-264	208/183-228	240/211-264	208/183-228	240/211-264	208/183-228
Nominal frequency/range (Hz) ¹			60/5	5-65		
Power factor (adjustable)				default 0.8 lagging		
Total harmonic distortion			< 2	3%		
Maximum units per 10AWG branch ²	9	8	8	7	7	6
Maximum units per 12AWG branch ²	6	5	5	4	5	4
Efficiency						
CEC peak efficiency			96.	.7%		
CEC weighted efficiency			96.	.5%		
Nominal MPPT efficiency			99.	.8%		
Nighttime power consumption (mW)			<	50		
Mechanical Data						
Ambient temperature range (°C)			-40 te	o +65		
Dimensions (W × H × D mm)			250 × 1	70 × 28		
Weight (kg)			2	.6		
Enclosure rating			Outdoor-NE	EMA 6 (IP67)		
Cooling			Natural convection – No fans			
Features						
Communication			2.4GHz Proprie	etary RF (Nordic)		
Type of isolation			Galvanically Isolat	ed HF Transform	er	
Monitoring			S-Miles	s Cloud ³		
Warranty			Up to 2	25 years		
Compliance			E 1547, UL 1741 SA (240 Vac), CA Rule 21 (240 Vac), 2.2 No. 107.1-16, FCC Part 15B, FCC Part 15C			
PV Rapid Shutdown			s with NEC-2017 a 021 Sec 64-218 Ra			

*1 Nominal voltage/frequency range can vary depending on local requirements. *2 Refer to local requirements for exact number of microinverters per branch. *3 Hoymiles Monitoring System.



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2771 NE 66th St , Ocala , Florida 34479

Μary Zorich

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American Solar

SOLAR CONTRACTOR

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Project:

PROJECT INFORMATION

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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)

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Chris Gowder

chris.gowder@fmpa.com

Chief Sys Ops & Tech Officer

Security Level: Email, Account Authentication (None)

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