

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: Alan Bagley

Mailing Address: 4409 NW 14th Loop 34482

City: Ocala State: Fl Zip Code: 34482

Phone Number: (954) 736-8144 Alternate Phone Number: _____

Email Address: alanwbagley@gmail.com Fax Number: _____

Ocala Electric Utility Customer Account Number: 571757-257872

2. RGS Facility Information

Facility Location: 4409 NW 14th Loop Ocala Fl. 34482

Ocala Electric Utility Customer Account Number: 571757-257872

RGS Manufacturer: QCELLS

Manufacturer's Address: 300 Spectrum Center Drive, Suite 500 Irvine, CA 92618

Reference or Model Number: Q.CELL Q.TRON BLK M-G2+/AC 430

Serial Number: Qty 10 @ 430 W

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

Effective: October 1, 2019

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3. Facility Rating Information

Gross Power Rating: 3.66 ("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: 10/30/2025

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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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: Alan Bagley Date: 9/22/25
(Print Name)


(Signature)

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Tri-Party Net-Metering Power Purchase Agreement

This Tri-Party Net-Metering Power Purchase Agreement (this “Agreement”) is entered into this 22 day of September, 20 25, 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 Alan Bagley, 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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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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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.

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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.

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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.

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

City of Ocala Electric Utility

Signed by:
By: Janice Mitchell

55198B43858A4E1...
Title: CFO

Date: 11/6/2025

Florida Municipal Power Agency

Signed by:
By: [Signature]

087F58EBB34B474...
Title: Chief Sys Ops & Tech Officer

Date: 11/6/2025

Customer

By: Alan Baagley

Date: 9/22/25

(Print Name)

(Signature)

Customer's City of Ocala Electric Utility Account Number: 571757-257872

Approved as to form and legality:

Signed by:

William E. Sexton, Esq.

WASB7B8A8EDD4F3
William E. Sexton, Esq.

City Attorney

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Electric Utility Director

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**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.

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

This **Agreement** is made and entered into this 22 day of September, 2025, by and between Alan Bagley, (hereinafter called "**Customer**"), located at 4409 NW 14th Loop 344in Ocala, 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: 4409 NW 14th Loop Ocala Fl. 34482.

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:

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Electric Utility Director

Effective: October 1, 2019

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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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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.

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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.

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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

Effective: October 1, 2019

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's 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

Effective: October 1, 2019

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

Effective: October 1, 2019

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

Effective: October 1, 2019

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

Effective: October 1, 2019

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.

City of Ocala Electric Utility:

Signed by:
By: Janice Mitchell
55198B43858A4E1...

Title: CFO

Date: 11/6/2025

Customer:

By: Alan Bagley
(Print Name)
Alan Bagley
(Signature)

Date: 9/22/25

City of Ocala Electric Utility Account Number:

571757-257872

Approved as to form and legality:

Signed by:
William E. Sexton, Esq.
William E. Sexton, Esq.
City Attorney

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

Effective: October 1, 2019



P.O. Box 95241
Chicago, IL 60694-5241

Producer Name
Kin Insurance Network
Distributor, LLC (KIND)

Policy Number
KIN-HO-FL-149450847

Policy Period
09/30/2025 to 09/30/2026

Homeowners Policy Declarations

Policy underwritten by Kin Interinsurance Network

Your Declarations Page shows at a glance the coverage you have and your premium. Please read your policy carefully, including your Declarations Page and any attached Endorsements, for a complete description of your coverage.

AGENCY INFO		
AGENCY NAME Kin Insurance Network Distributor, LLC (KIND)	AGENCY NUMBER 1	AGENCY EMAIL support@kin.com
ADDRESS 222 Merchandise Mart Plaza Suite 910 Chicago IL 60654	PHONE (855) 717-0022	
For Payments, please use this address: KIN INTERINSURANCE NETWORK P.O. Box 95241 Chicago, IL 60694-5241		
NAMED INSURED		SECOND NAMED INSURED
NAME Alan Bagley	NAME Norma Jurado	
PHONE (954) 736-8144	PHONE	
EMAIL alanwbagley@gmail.com	EMAIL	
POLICY PERIOD		PROPERTY ADDRESS
START DATE 09/30/2025	END DATE 09/30/2026	4409 NW 14th Loop Ocala, FL 34482-9320
12:01 AM Standard Time at the residence premises		
This policy applies only to accidents, "occurrences", or losses which happen during the policy period shown above, unless otherwise noted in the policy. If the policy is written on a continuous basis, each period of one year ending on the anniversary date of this policy constitutes a separate policy period.		
DATE ISSUED	08/22/2024	
		MAILING ADDRESS



P.O. Box 95241
Chicago, IL 60694-5241

Producer Name
Kin Insurance Network
Distributor, LLC (KIND)

Policy Number
KIN-HO-FL-149450847

Policy Period
09/30/2025 to 09/30/2026

REPORT A CLAIM

Email claims@kin.com

Website kin.com/claims

Phone Number (866) 204-2219

PROPERTY COVERAGES

Section I Coverages	Limit of Liability
A. Dwelling	\$358,000
B. Other Structure	\$17,900
C. Personal Property	\$89,500
D. Loss of Use	\$71,600

LIABILITY COVERAGES

Section II Coverages	Limit of Liability
E. Personal Liability	\$300,000
F. Medical Payments	\$1,000

DEDUCTIBLES

All Other Perils \$2,500

Calendar Year Hurricane Deductible \$7,160 (2% of Coverage A)

This policy contains a separate deductible for hurricane losses, and a separate deductible for all other perils, insured against. The deductibles shown in your policy declaration page(s) are the deductibles that will apply as described in your policy, in the event of a covered loss. Other deductibles may be available. Please contact your insurance agent for additional information.

MICROINVERTER SPECIFICATIONS		SOLAR MODULE SPECIFICATIONS	
MANUFACTURER / MODEL #	QCELLS Q.MI.349B-G1 INTEGRATED MICROINVERTER	MANUFACTURER / MODEL #	Q.CELL Q.TRON BLK M-G2+/AC 430
NOMINAL AC VOLTAGE	240V	VMP	32.94 V
MAX CONT. OUTPUT CURRENT	1.45A	IMP	13.05 A
MAX CONT. OUTPUT POWER	349W	VOC	39.32 V
MAX MODULES PER STRING	11 (11 MICROINVERTERS)	ISC	13.74 A
		TEMP. COEFF. VOC	-0.24 %/°C

AMBIENT TEMPERATURE SPECIFICATIONS	
RECORD LOW TEMP	-6
AMBIENT TEMP (HIGH TEMP 2% AVG.)	34
MINIMUM CONDUIT HEIGHT ABOVE ROOF SURFACE	7/8"

CONTRACTOR

SOLAR LIGHTS INC

Godwin Engineering & Design, LLC
8378 Foxtail Loop Pensacola, FL 32526
D. Chad Godwin, PE Chad@godwineng.com

PROJECT NAME & ADDRESS
ALAN BAGLEY
4409 NW 14TH LP,
OCALA, FL 34482

APN #: 2167001132
AHJ: CITY OF OCALA
UTILITY: CITY OF OCALA
ELECTRIC UTILITY (COEU)

SYSTEM DETAILS
4.300 KW DC-(STC) / 3.490 KW AC
(10) Q.CELL Q.TRON BLK M-G2+/AC 430
(10) Q.CELL Q.MI.349B-G1 INTEGRATED MICROINVERTERS

REVISIONS

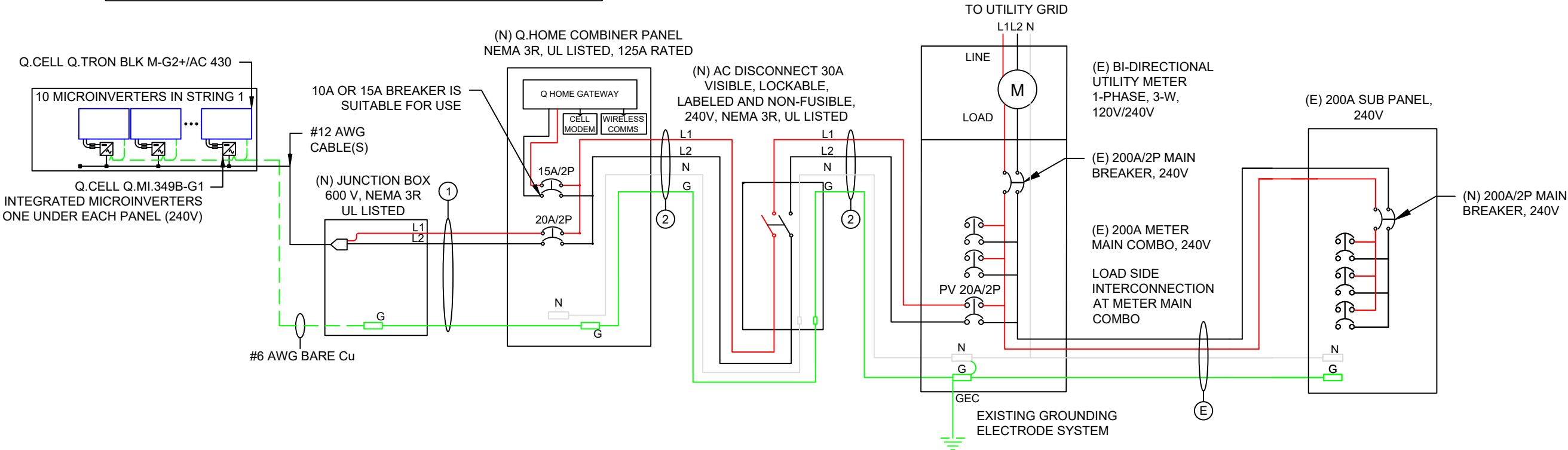
REV	DESCRIPTION	DATE

SHEET TITLE
ELECTRICAL
DIAGRAM

DRAWN DATE	9/17/2025
DRAWN BY	DGD

SHEET NUMBER
PV-04

ROMEX CAN BE USED IN LIEU OF CONDUIT FOR INTERIOR BUILDING AND ATTIC RUNS ONLY. DO NOT USE ROMEX IN CONDUIT OR OUTDOOR ENVIRONMENTS.



VISIBLE, LOCKABLE & LABELED AC
DISCONNECT LOCATED WITHIN
SIGHT OF THE UTILITY METER

DESCRIPTION						FORMULA				RESULT		
PV OVERCURRENT PROTECTION NEC 690.9(B)						TOTAL INVERTER OUTPUT CURRENT x 1.25 = 14.5A x 1.25				18.1A (SELECTED PV BREAKER = 20A)		
120% RULE FOR BACKFEED BREAKER NEC 705.12						BUS BAR RATING x 1.2 - MCB RATING = MAX ALLOWABLE PV BREAKER 200A x 1.2 - 200A = 40A				SELECTED PV BREAKER <= MAX ALLOWABLE PV BREAKER 20A <= 40A		
WIRE ID	EXPECTED WIRE TEMP (°C)	TEMP DERATE (90 °C)	QTY OF CURRENT CARRYING CONDUCTORS	CONDUIT FILL DERATE	MINIMUM CONDUIT SIZE (TBD ON SITE)	WIRE GAUGE & TYPE	CONDUCTOR AMPACITY @ 90°C (A)	CONDUCTOR AMPACITY @ 75°C (A)	REQUIRED CIRCUIT CONDUCTOR AMPACITY (A)	ADJUSTED CONDUCTOR AMPACITY @ 90 °C (A)	NEUTRAL CONDUCTOR SIZE & TYPE	GROUND WIRE SIZE & TYPE
1	34	0.96	2	1	3/4"	#10 THWN-2	40	35	18.13	38.40	NONE	#8 THWN-2
2	34	0.96	2	1	3/4"	#10 THWN-2	40	35	18.13	38.40	#10 THWN-2	#8 THWN-2

DISTRIBUTED LOAD CALCULATIONS	
MODULE	Q.CELL Q.TRON BLK M-G2+/AC 430
MODULE WEIGHT	50.6 LBS
MODULE DIMENSIONS (L" x W")	67.8" x 44.6"
TOTAL QTY. OF MODULES	10
TOTAL WEIGHT OF MODULES	506.0 LBS
TYPE OF RACKING	SUNMODO SMR100-168-B
TYPE OF ATTACHMENT	SUNMODO NANOMOUNT-B
DISTRIBUTED WEIGHT OF RACKING	0.5 PSF
TOTAL WEIGHT OF ARRAY	611.0 LBS
AREA OF MODULE	21.0 SQFT.
TOTAL ARRAY AREA	210.0 SQFT.
DISTRIBUTED LOAD	2.9 PSF

- NOTE:**
- CONTRACTOR/INSTALLER TO VERIFY COMPATIBILITY OF ANY BRANDS OR PRODUCTS SUBSTITUTED OR USED AS ALTERNATES WITHIN ANY BRAND-SPECIFIC SYSTEMS. CONTRACTOR SHALL SUPPLY AND PRESENT CERTIFICATES OF COMPATIBILITY TO THE BUILDING OFFICIAL UPON INSPECTION AS NEEDED.
 - REFER TO PV MODULE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR RAIL SPACING SPECIFICATIONS

Rafter Spans	Zone 1	Zone 2	Zone 3
Exposed	72"	48"	48"
Non-Exposed	72"	48"	48"
Max Cantilever	24"	16"	16"

Max Cantilever = Max Span * ($\frac{1}{8}$)

LEGEND

- - ATTACHMENT POINTS
- - RAIL
- - STRUCTURAL MEMBER
- - SPLICE BAR

CONTRACTOR

SOLAR LIGHTS INC

Godwin Engineering & Design, LLC
8378 Foxtail Loop Pensacola, FL 32526
D. Chad Godwin, PE Chad@godwineng.com

PROJECT NAME & ADDRESS
ALAN BAGLEY
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APN #: 2167001132
AHJ: CITY OF OCALA
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4.300 KW DC-(STC) / 3.490 KW AC
(10) Q.CELL Q.TRON BLK M-G2+/AC 430
(10) Q.CELL Q.MI.349B-G1 INTEGRATED
MICROINVERTERS

REVISIONS

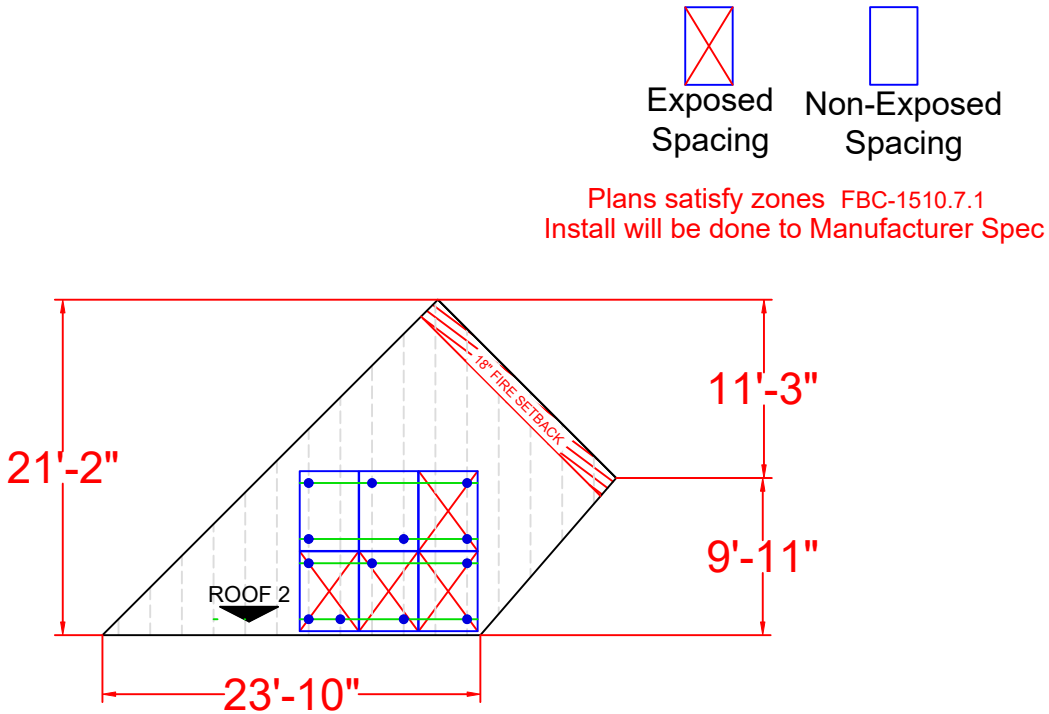
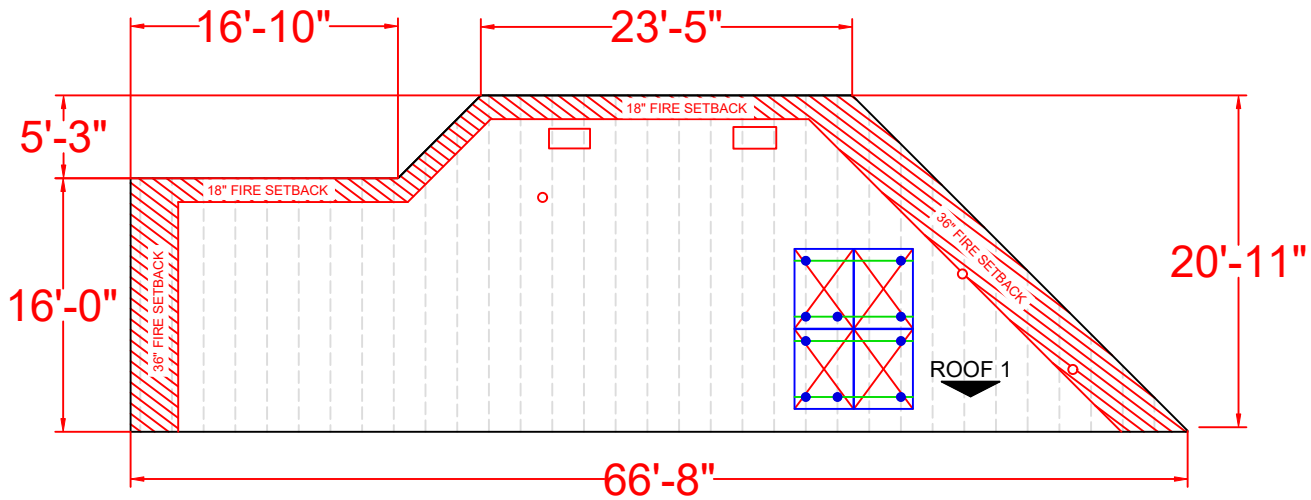
REV	DESCRIPTION	DATE

SHEET TITLE ATTACHMENT PLAN & DETAILS

DRAWN DATE	9/17/2025
DRAWN BY	DGD

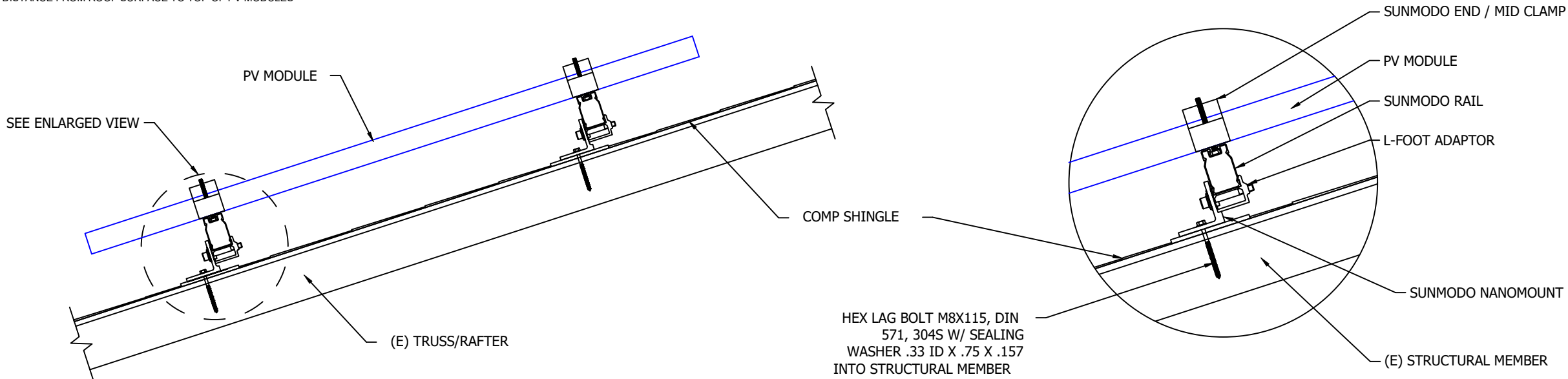
SHEET NUMBER

PV-03



Plans satisfy zones FBC-1510.7.1
Install will be done to Manufacturer Spec

NOTE: 6" MAXIMUM DISTANCE FROM ROOF SURFACE TO TOP OF PV MODULES



2 ATTACHMENT DETAIL
PV-03 Scale: NTS

3 ENLARGED VIEW
PV-03 Scale: NTS

Solar Simplified.



Q.TRON AC

Q.TRON BLK M-G2+/AC



Q.TRON AC

AC module powered by
Q.ANTUM NEO Technology



Module-Level Monitoring & Control

- Easily and intelligently monitor system performance at the module level using the Q.OMMAND PRO App for installers
- Homeowners have PV production visibility at their fingertips with the user friendly Q.OMMAND HOME App
- Enhanced communications performance, thanks to high-bandwidth PLC communication technology



Streamlined Installation & Product Management

- Fast installation enabled by integrated Qcells microinverter
- QR codes on both module and embedded microinverter allow installer to map out arrays in the Q.OMMAND Pro app pre- or post-installation
- Improved inventory management enabled by reduced SKU counts and one complete module and MLPE solution by the same brand
- Seamlessly couples with Qcells' residential energy storage system to form one complete Q.HOME SMART system



Superior Module Performance

- Q.TRON AC is powered by Q.ANTUM NEO Technology, delivering up to 22.0% efficiency
- Lowest module degradation rate compared with Tier 1 TOPCon competitors, translating to more power production over time (90%+ nominal power guaranteed after 25 years)



Top Quality Customer Support & Post-Sales Servicing

- Top tier, responsive customer support offered by Qcells for rapid system troubleshooting
- Detachable microinverter simplifies onsite maintenance when required
- Inbound module and microinverter related inquiries all supported by one brand



Dependably Backed by One Warrantor

- Inclusive 25-year product warranty and 25-year linear performance warranty
- Integrated module & microinverter solution backed by one bankable, leading complete solutions provider



USA Manufacturing

- Module and microinverter both assembled in the USA by America's No.1 residential module manufacturer

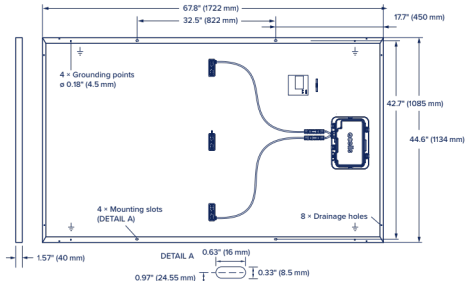


Description

The Q.TRON AC SERIES is a N-Type TOPCon PV module with an integrated microinverter. The module, with its embedded microinverter, provides optimized power output while also acting as a rapid shutdown compliant solution for optimal system safety. The solution includes a microinverter, DC cables and a junction box, enabling a streamlined installation experience.

Mechanical Specification

Format	67.8 in × 44.6 in × 1.57 in (including frame) (1722 mm × 1134 mm × 40 mm)
Weight	50.6 lbs (23 kg)
Front Cover	0.13 in (3.2 mm) thermally pre-stressed ARC solar glass
Back Cover	Composite film
Frame	Black anodized aluminum
Cell	6 × 18 monocrystalline Q.ANTUM NEO solar half cells
Junction Box	2.09-3.98 in × 1.26-2.36 in× 0.59-0.71 in (53-101mm × 32-60 mm × 15-18 mm), Protection class IP67, with bypass diodes
Cable	4 mm ² Solar cable; (+) ≥25.8 in (655 mm), (-) ≥25.2 in (640 mm)
Connector	Stäubli MC4; IP68



AC Output Electrical Characteristics

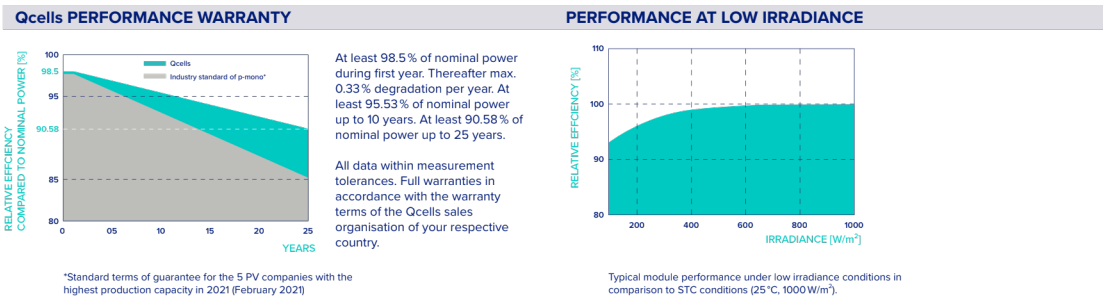
Q.MI.349B-G1 (Model Name)			
Peak Output Power	[VA]	366	Power Factor (adjustable) 0.85 leading...0.85 lagging
Max Continuous Output Power	[VA]	349	Max. number of AC Modules per Q.HOME COMBINER 80 G1 [ea] 44 (Q.HOME COMBINER CB : Max 4)
Nominal (L-L) Voltage / Range	[V]	240 / 211 to 264	Max Units per 20 A (L-L) Branch Circuit [ea] 11
Nominal Rated Output Current	[A]	1.45	Total Harmonic Distortion [%] <5
Nominal Frequency / Range	[Hz]	60 / 59.3 to 60.5	Overvoltage Class AC Port III
Extended Frequency Range	[Hz]	50 to 66	Night-Time Power Consumption [mW] 60
Power Factor at Rated Power		1.0	CEC Efficiency [%] 97

Electrical Characteristics

POWER CLASS				415	420	425	430	435	440
MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC ¹ (POWER TOLERANCE +5 W / -0 W)									
Minimum	Power at MPP ¹	P _{MPP}	[W]	415	420	425	430	435	440
	Short Circuit Current ¹	I _{SC}	[A]	13.49	13.58	13.66	13.74	13.82	13.90
	Open Circuit Voltage ¹	V _{OC}	[V]	38.47	38.75	39.03	39.32	39.60	39.88
	Current at MPP	I _{MPP}	[A]	12.83	12.91	12.98	13.05	13.13	13.20
	Voltage at MPP	V _{MPP}	[V]	32.34	32.54	32.74	32.94	33.14	33.33
	Efficiency ¹	η	[%]	≥21.3	≥21.5	≥21.8	≥22.0	≥22.3	≥22.5

MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT ²									
Minimum	Power at MPP	P _{MPP}	[W]	313.7	317.5	321.2	325.0	328.8	332.6
	Short Circuit Current	I _{SC}	[A]	10.87	10.94	11.00	11.07	11.14	11.20
	Open Circuit Voltage	V _{OC}	[V]	36.50	36.77	37.04	37.31	37.58	37.84
	Current at MPP	I _{MPP}	[A]	10.10	10.15	10.21	10.27	10.33	10.38
	Voltage at MPP	V _{MPP}	[V]	31.07	31.26	31.46	31.65	31.84	32.03

¹Measurement tolerances P_{MPP} ±3%; I_{SC}; V_{OC} ±5% at STC; 1000 W/m², 25 ±2 °C, AM 1.5 according to IEC 60904-3 • ²800 W/m², NMOT, spectrum AM 1.5



TEMPERATURE COEFFICIENTS							
Temperature Coefficient of I _{sc}	α	[%/K]	+0.04	Temperature Coefficient of V _{oc}	β	[%/K]	-0.24
Temperature Coefficient of P _{MPP}	γ	[%/K]	-0.30	Nominal Module Operating Temperature	NMOT	[°F]	109 ± 5.4 (43 ± 3 °C)

CONTRACTOR

SOLAR LIGHTS INC

PROJECT NAME & ADDRESS
ALAN BAGLEY
4409 NW 14TH LP,
OCALA, FL 34482

APN #: 2167001132
AHJ: CITY OF OCALA
UTILITY: CITY OF OCALA
ELECTRIC UTILITY (COEU)

SYSTEM DETAILS
4.300 KW DC-(STC) / 3.490 KW AC
(10) Q.CELL Q.TRON BLK M-G2+/AC 430
(10) Q.CELL Q.MI.349B-G1 INTEGRATED
MICROINVERTERS

REVISIONS

REV	DESCRIPTION	DATE

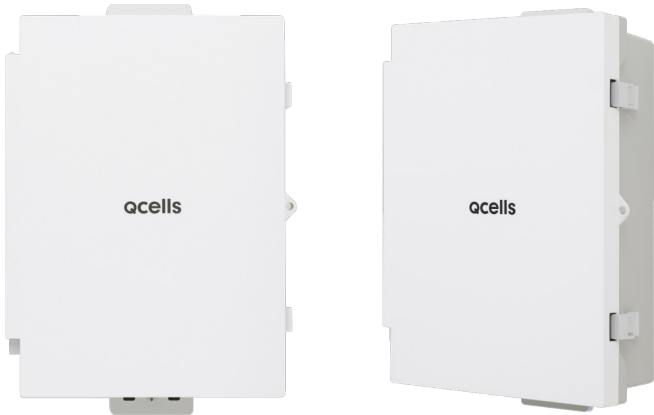
SHEET TITLE
INSTALLATION
RESOURCE

DRAWN DATE	9/17/2025
DRAWN BY	DGD

SHEET NUMBER

R-01

Solar Simplified.



Q.HOME COMBINER

Q.HOME COMBINER 80 G1

Q.HOME COMBINER

Combiner Box of the Q.HOME SMART Residential Energy Solution



Flexible

Network connectivity with Wi-Fi, Ethernet or Cellular



Consolidated

80A total PV and storage branch circuits



Robust

NRTL-certified NEMA type 3R enclosure rated for outdoor installation



Streamlined

Pre-installed revenue grade production meter, with a pair of slim clamp CTs for consumption metering



Reliable

- 5-year warranty
- Automatic firmware updates



Complete

- Part of Qcells' complete Q.HOME SMART solution offering
- One brand. One warrantor



Description

The Q.HOME COMBINER 80 G1 consolidates up to 4 PV strings with a maximum of 44 AC Modules connected into a single enclosure. This enables a smooth interconnection across Q.HOME SMART products while ensuring easy and fast installations. Save time and costs by incorporating this user-friendly combiner box, optimally designed for residential applications. Contact Qcells Customer Support if it is desired to install more than 44 AC Modules.

Technical Specification

GENERAL PRODUCT INFORMATION		Q.HOME COMBINER 80 G1
Manufacturer	Hanwha Solutions Corporation	
Product Warranty	5 years	
Country of Manufacturer	Vietnam	

ACCESSORIES AND REPLACEMENT PARTS		Q.TRON BLK M-G2+ / AC
Supported AC Modules (Microinverter included)	4G based LTE-CAT4 (+5year data plan included)	
Cellular Modem (LTE-MT-MODEM-CAT4-TN5)	FCC Part 15 Subpart C / 2412.0 to 2462.0 MHz **	
WiFi Dongle (WIFI-HQ-DG-USB)	Supports Eaton BR210, BR215*, BR220, BR230, BR240, BR250, and BR260 circuit breakers	
Circuit Breakers	A pair of 200 A clamp type current transformers (accuracy ±0.5 %) **	
Consumption Monitoring CT (CT-JS-CLAMP-200A-5.2m)		

* pre-assembled / ** included in the package
(Others are not included, need to be ordered seperately)

ELECTRICAL SPECIFICATIONS		
System Voltage	[V]	120 / 240 VAC, 60 Hz
Eaton BR Series Busbar Rating	[A]	125
Max. Continuous Current Rating (input from PV / storage)	[A]	64
Max. Fuse / Circuit Rating (output)	[A]	90
Branch Circuits (solar and / or storage)	[pcs]	Up to four 2-pole Eaton BR series Distributed Generation (DG) breakers only (not included)
Max. Total Branch Circuit Breaker Rating (input)	[A]	80 A of distributed generation / 95 A with Gateway breaker included
Gateway Circuit Breaker	[A]	15 A rating Eaton included
Consumption Monitoring	[A]	Metering with a pair of 200 A split core current transformers (accuracy ±2.0 %)
Production Metering	[A]	Metering with 200 A solid core current transformer pre-wired to Gateway (accuracy ±0.5 %)

MECHANICAL DATA		
Max. AC Module Connection Q'ty	[pcs]	Up to 44 AC Modules (11 in series × 4 strings)
Dimensions (W × H × D)	[inch]	14.6 × 19.3 × 6.3 / height is 21.7 with mounting brackets (37.0 × 49.0 × 16.0 cm / height is 55.1cm with mounting brackets)
Weights (without connection cables)	[lb]	11.5 (5.2 kg)
Operating Temperature Range	[°F]	−40 to 140 (−40 to 60 °C)
Storage Temperature Range	[°F]	−40 to 140 (−40 to 60 °C)
Enclosure Environmental Rating	Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction	

Wire Sizes	<ul style="list-style-type: none">20 A breaker inputs: 12 to 8AWG copper conductorsMain lug combined output: 10 to 2/0 AWG copper conductorsNeutral and ground: 8 to 6 copper conductorsAlways follow local code requirements for conductor sizing	
Cooling	Natural convection	
Altitude	[m]	Up to 2,000 (6,561 feet)

INTERNET CONNECTION OPTIONS		
Wi-Fi	IEEE 802.11b/g/n	
Cellular	CELLMODEM-CAT4 (4G based LTE-CAT4)	
Ethernet	Optional, IEEE 802.3, CAT5E (or CAT6) UTP Ethernet cable	

COMPLIANCE		
AC Combiner	<ul style="list-style-type: none">UL 1741, CSA C22.2 No.107FCC Part 15.BANSI C 12.20 accuracy class 0.5 (production meter)NEMA type 3RIEEE 2030.5 / CSIP Compliant	
Monitoring board	UL 61010-1 / UL 61010-2-030 CSA 22.2 No. 61010-1-12 / CSA 22.2 No. 61010-2-030	
CT sensor	Solid core, Split core XOBA	

CONTRACTOR

SOLAR LIGHTS INC

PROJECT NAME & ADDRESS

ALAN BAGLEY
4409 NW 14TH LP,
OCALA, FL 34482

APN #: 2167001132
AHJ: CITY OF OCALA
UTILITY: CITY OF OCALA
ELECTRIC UTILITY (COEU)

SYSTEM DETAILS

4.300 KW DC-(STC) / 3.490 KW AC
(10) Q.CELL Q.TRON BLK M-G2+/AC 430
(10) Q.CELL Q.MI.349B-G1 INTEGRATED
MICROINVERTERS

REVISIONS

REV	DESCRIPTION	DATE

SHEET TITLE
INSTALLATION
RESOURCE

DRAWN DATE	9/17/2025
DRAWN BY	DGD

SHEET NUMBER

R-02

Certificate Of Completion

Envelope Id: 31D31BF8-CC58-495F-A4E7-390176A856CF	Status: Completed
Subject: FOR SIGNATURES-Net Metering Agreement (Bagley) (ELE/260177)	
Source Envelope:	
Document Pages: 26	Signatures: 5
Certificate Pages: 5	Initials: 0
AutoNav: Enabled	
Envelope Stamping: Enabled	
Time Zone: (UTC-05:00) Eastern Time (US & Canada)	
	Envelope Originator: Patricia Lewis 110 SE Watula Avenue City Hall, Third Floor Ocala, FL 34471 plewis@ocalafl.org IP Address: 216.255.240.104

Record Tracking

Status: Original 11/4/2025 10:55:05 AM	Holder: Patricia Lewis plewis@ocalafl.org	Location: DocuSign
Security Appliance Status: Connected	Pool: StateLocal	
Storage Appliance Status: Connected	Pool: City of Ocala - Procurement & Contracting	Location: Docusign

Signer Events

Signer Events	Signature	Timestamp
William E. Sexton, Esq. wsexton@ocalafl.gov City Attorney Security Level: Email, Account Authentication (None)	 Signed by: William E. Sexton, Esq. 4A55AB8A8ED04F3... Signature Adoption: Pre-selected Style Using IP Address: 216.255.240.104	Sent: 11/4/2025 11:13:41 AM Viewed: 11/6/2025 10:15:20 AM Signed: 11/6/2025 10:18:40 AM

Electronic Record and Signature Disclosure:
Accepted: 9/15/2023 9:02:35 AM
ID: 313dc6f2-e1d0-44c3-8305-6c087d6cdf0b

Janice Mitchell jmitchell@Ocalafl.org CFO City of Ocala Security Level: Email, Account Authentication (None)	 Signed by: Janice Mitchell 55198B43858A4E1... Signature Adoption: Pre-selected Style Using IP Address: 216.255.240.104	Sent: 11/6/2025 10:18:42 AM Viewed: 11/6/2025 3:35:21 PM Signed: 11/6/2025 3:36:02 PM
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Accepted: 11/6/2025 3:35:21 PM
ID: f6ee6bba-7ef1-4d4b-9af3-bba9776a6520

Chris Gowder chris.gowder@fmpa.com Chief Sys Ops & Tech Officer Security Level: Email, Account Authentication (None)	 DocuSigned by: Chris Gowder 087F58EBB34B474... Signature Adoption: Uploaded Signature Image Using IP Address: 38.77.131.2	Sent: 11/6/2025 3:36:04 PM Viewed: 11/6/2025 4:00:35 PM Signed: 11/6/2025 4:00:50 PM
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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 Sent	Hashed/Encrypted	11/4/2025 11:13:42 AM
Certified Delivered	Security Checked	11/6/2025 4:00:35 PM
Signing Complete	Security Checked	11/6/2025 4:00:50 PM
Completed	Security Checked	11/6/2025 4:00:50 PM
Payment Events	Status	Timestamps
Electronic Record and Signature Disclosure		

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If you decide to receive notices and disclosures from us electronically, you may at any time change your mind and tell us that thereafter you want to receive required notices and disclosures only in paper format. How you must inform us of your decision to receive future notices and disclosure in paper format and withdraw your consent to receive notices and disclosures electronically is described below.

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If you elect to receive required notices and disclosures only in paper format, it will slow the speed at which we can complete certain steps in transactions with you and delivering services to you because we will need first to send the required notices or disclosures to you in paper format, and then wait until we receive back from you your acknowledgment of your receipt of such paper notices or disclosures. Further, you will no longer be able to use the DocuSign system to receive required notices and consents electronically from us or to sign electronically documents from us.

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You may contact us to let us know of your changes as to how we may contact you electronically, to request paper copies of certain information from us, and to withdraw your prior consent to receive notices and disclosures electronically as follows:

To contact us by email send messages to: contracts@ocalafl.org

To advise City of Ocala - Procurement & Contracting of your new email address

To let us know of a change in your email address where we should send notices and disclosures electronically to you, you must send an email message to us at contracts@ocalafl.org and in the body of such request you must state: your previous email address, your new email address. We do not require any other information from you to change your email address.

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To request delivery from us of paper copies of the notices and disclosures previously provided by us to you electronically, you must send us an email to contracts@ocalafl.org and in the body of such request you must state your email address, full name, mailing address, and telephone number. We will bill you for any fees at that time, if any.

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To inform us that you no longer wish to receive future notices and disclosures in electronic format you may:

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- ii. send us an email to contracts@ocalafl.org and in the body of such request you must state your email, full name, mailing address, and telephone number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

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