

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: Orlando Correa
Mailing Address: 811 SW 23rd PI
City: Ocala State: FL Zip Code: 34471
Phone Number: (203) 502-3035 Alternate Phone Number: _____
Email Address: jennifercorrea29@yahoo.com Fax Number: _____
Ocala Electric Utility Customer Account Number: 545733-234517

2. RGS Facility Information

Facility Location: 811 SW 23rd PI, Ocala, FL, 34471
Ocala Electric Utility Customer Account Number: 545733-234517
RGS Manufacturer: 38 - HANWHA SOLAR Q.CELLS Q.PEAK DUO BLK ML-G10+ 405W MONO MODULES
Manufacturer's Address: 38 - ENPHASE IQ8PLUS-72-2-US MICROINVERTERS
Reference or Model Number: _____
Serial Number: _____

(Continued on Sheet No.19.1)

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

Effective: October 1, 2019

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3. Facility Rating Information

Gross Power Rating: 13.08 ("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

Anticipated In- Service Date: 1/29/23

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

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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: Orlando Correa
(Print Name)

Date: 12/28/23


(Signature)

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

Effective: October 1, 2019



1/17/2024

RE: 811 SW 23rd Pl, Ocala, FL 34471

Orlando Correa,

The City of Ocala Electric Utility (OEU) has received your net metering application for the installation of a customer-owned renewable generation system (RGS) at the address listed above.

This letter is to provide you with approval or denial for the 15.04 kW_{DC} / 13.08 kW_{AC} RGS listed on your application.

Your application has been **approved** for the maximum system nameplate rating stated on your application.

Your application will be approved for a **Tier 2** size system.

Your application has been **denied** for the system size stated on your application. It exceeds what is allowable under the OEU Net Metering tariffs. The maximum size that would be allowed for this address is _____ kW_{DC} / _____ kW_{AC} maximum RGS nameplate rating.

Prior to OEU moving forward with further processing of your application, please ensure that you have submitted the following items for review and acceptance:

- Application payment (if applicable), based on the system tier size in the application.
- Application information must be fully completed along with the OEU-approved maximum RGS nameplate rating (kW_{AC}) and signed by the OEU customer.
- Proof of the required general liability insurance based on the tier level of your application.

Use the Net Metering Customer Checklist on the www.OcalaFL.gov website for further details.

The City of Ocala Electric Utility looks forward to working with you as you pursue your solar-based renewable generation system.

Sincerely,


Randy Hahn, C.P.M. (or designee)
Electric Engineering Manager
City of Ocala Electric Utility

OCALA ELECTRIC UTILITY
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FIRST REVISED SHEET NO. 20.0
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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 28 day of DECEMBER, 2023, 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 Orlando Correa, 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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Electric Utility Director

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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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Electric Utility Director

Effective: October 1, 2019

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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.

(Continued on Sheet No. 20.3)

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

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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.

(Continued on Sheet No. 20.4)

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

Effective: October 1, 2019

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

Effective: October 1, 2019

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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

DocuSigned by:
By: Janice Mitchell
55198B43856A4E1...
Title: CFO
Date: 4/9/2024

Florida Municipal Power Agency

DocuSigned by:
By: [Signature]
087F58EBB348474...
Title: VP of IT/OT and System Ops
Date: 4/9/2024

Customer

By: Orlando Conner Date: 4/28/23
(Print Name)
[Signature]
(Signature)

Customer's City of Ocala Electric Utility Account Number: 545733-234517

Approved as to form and legality:

DocuSigned by:
William E. Sexton
597195C1E88E426...
William E. Sexton
City Attorney

(Continued on Sheet No. 20.6)

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

Effective: October 1, 2019

OCALA ELECTRIC UTILITY
OCALA, FLORIDA
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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.

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

Effective: October 1, 2019

OCALA ELECTRIC UTILITY
OCALA, FLORIDA

FIRST REVISED SHEET NO. 22.0
CANCELS ORIGINAL SHEET NO. 22.0

Tier 2
Standard Interconnection Agreement
Customer-Owned Renewable Generation System

This **Agreement** is made and entered into this 28 day of DECEMBER, 2023, by and between Orlando Correa, (hereinafter called "**Customer**"), located at 811 SW 23rd Pl in Ocala, Florida, and the City of Ocala doing business as Ocala Electric Utility (hereafter called "**OEU**"), a body politic. Customer and OEU shall collectively be called the "**Parties**". The physical location/premise where the inter-connection is taking place: 811 SW 23rd Pl, Ocala, FL, 34471.

WITNESSETH

Whereas, a Tier 2 Renewable Generation System (RGS) is an electric generating system that uses one or of 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 more than 10 kilowatts (10 kW) but not greater than 100 kilowatts (100 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 parts of the City of Ocala and Marion County; and

Whereas, Customer has made a written Application to OEU, a copy being attached hereto, to interconnect its RGS with OEU's 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 OEU has agreed to purchase and receive, and FMPA has agreed to sell and supply OEU with all energy and capacity necessary to operate OEU's electric system, which limits OEU's 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, 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;

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

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

1. The Customer shall be required to enter into a Tri-Party Net-Metering Purchase Power Agreement with FMPA and 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 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 2 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. In no case should modifications to the RGS be made such that the GPR increases above the 100 kilowatts (100 kW) limit.
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 be required to pay a non-refundable application fee of \$375 for the review and processing of the application.
6. The Customer shall fully comply with OEU's Rules and Regulations and Electric Service Specifications as those documents may be amended or revised by OEU 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*.

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Electric Utility Director

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

Effective: October 1, 2019

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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 a utility-interactive inverter or interconnection system equipment that ceases to interconnect with the OEU system upon a loss of OEU 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 which (i) utilizes the same utility-interactive inverter for both systems; or (ii) utilizes a separate utility-interactive inverter for each system, then 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's 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's electric 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's electric 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 electric system such that back feed from the customer-owned renewable generation system to OEU's electric 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. 22.4)

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

Effective: October 1, 2019

OCALA ELECTRIC UTILITY
OCALA, FLORIDA
(Continued from Sheet No. 22.3)

FIRST REVISED SHEET NO. 22.4
CANCELS ORIGINAL SHEET NO. 22.4

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 Sections 18 and 19, 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 million dollars (\$1,000,000.00).

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 also 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.

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 OUS 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.

(Continued on Sheet No. 22.5)

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

Effective: October 1, 2019

OCALA ELECTRIC UTILITY
OCALA, FLORIDA
(Continued from Sheet No. 22.4)

FIRST REVISED SHEET NO. 22.5
CANCELS ORIGINAL SHEET NO. 22.5

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 utility system emergencies, forced outages, uncontrollable forces or compliance with prudent electric utility 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 utility system due to the operation of the Customer's generation or protective equipment as determined by OEU.
- d. Adverse electrical effects (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.

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.

(Continued on Sheet No. 22.6)

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

Effective: October 1, 2019

OCALA ELECTRIC UTILITY
OCALA, FLORIDA
(Continued from Sheet No. 22.5)

FIRST REVISED SHEET NO. 22.6
CANCELS ORIGINAL SHEET NO. 22.6

- 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, contractors (and any subcontractor or material supplier thereof), agents 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.

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

(Continued on Sheet No. 22.7)

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

Effective: October 1, 2019

OCALA ELECTRIC UTILITY
OCALA, FLORIDA
(Continued from Sheet No. 22.6)

FIRST REVISED SHEET NO. 22.7
CANCELS ORIGINAL SHEET NO. 22.7

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 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.

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 2.5 percent (%) of the aggregate customer peak demand on OEU's electric 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. 22.8)

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

Effective: October 1, 2019

OCALA ELECTRIC UTILITY
OCALA, FLORIDA
(Continued from Sheet No. 22.7)

FIRST REVISED SHEET NO. 22.8
CANCELS ORIGINAL SHEET NO. 22.8

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

OUS:

Customer:

By: DocuSigned by:
Janice Mitchell

By: Orlando Correa
(Print Name)

Title: CFO

Orlando Correa
(Signature)

Date: 4/9/2024

Date: 12/28/23

City of Ocala Electric Utility Account Number:

545733-234517

Approved as to form and legality:

DocuSigned by:
William E. Sexton
William E. Sexton
City Attorney

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

Effective: October 1, 2019

12/22/23, 2:04 PM

Permits & inspections | Marion County, FL



Menu

Permit Details



Permit Detail Additional Info

Permit # 2023101544

Permit Status: COED

Type: M23SO1 M23 SOLAR-PHOTOVOLTAIC ELEC (RES)

Owner: CORREA ORLANDO

Address: 811 SW 23RD PL , OCALA FL

Parcel # 2858-001-003

DBA: BRILLIANT INSTALLATIONS INC

View

Job Desc: INSTALL RESIDENTIAL ROOF MOUNTED SOLAR SYSTEM

Apply Date: 10/16/2023

Issued Date: 11/14/2023

CO Date: 12/11/2023

Print Permit

Expiration Date: 6/4/2024

Print Job Card

Last Inspection Request: 12/7/2023

Last Inspection Result: 12/7/2023



- Inspections 3
- Reviews 3
- Permit Holds 0
- Impact Fees 0
- Subs 0
- COs 1

12/22/23

DC SYSTEM SIZE 38 x 405 = 15,390KW DC
 AC SYSTEM SIZE 38 x 280 = 11,020KW AC

(38) HANWHA SOLAR Q CELLS Q PEAK DUO BLK ML-G10 405W MONO MODULES WITH (38) ENPHASE IQ8PLUS-72-US MICROINVERTERS LOCATED UNDER EACH PANEL (240V)

(102) BRANCH CIRCUITS OF 13 MODULE AND
 (97) BRANCH CIRCUIT OF 12 MODULES ARE CONNECTED IN PARALLEL

INTERCONNECTION NOTES:

1. INTERCONNECTION STRING LIMITATIONS AND COMPLIANCE DETERMINED IN ACCORDANCE WITH (NEC 705.12) AND (NEC 690.59).
2. GROUND FAULT PROTECTION IN ACCORDANCE WITH (NEC 215.9) (NEC 230.5).
3. ALL EQUIPMENT TO BE RATED FOR BACKFEEDING.
4. PV BREAKER TO BE POSITIONED AT THE OPPOSITE END OF THE BUSBAR RELATIVE TO THE MAIN BREAKER.

DISCONNECT NOTES:

1. DISCONNECTING SWITCHES SHALL BE WIRED SUCH THAT WHEN THE SWITCH IS OPENED THE CONDUCTORS REMAINING LIVE ARE CONNECTED TO THE TERMINALS MARKED "LINE SIDE" (TYPICALLY THE UPPER TERMINALS)
2. AC DISCONNECT MUST BE ACCESSIBLE TO QUALIFIED UTILITY PERSONNEL, BE LOCKABLE, AND BE A VISIBLE-BREAK SWITCH
3. DISCONNECT MEANS AND THEIR LOCATION SHALL BE IN ACCORDANCE WITH (NEC 225.31) AND (NEC 225.32)

RACKING NOTE:

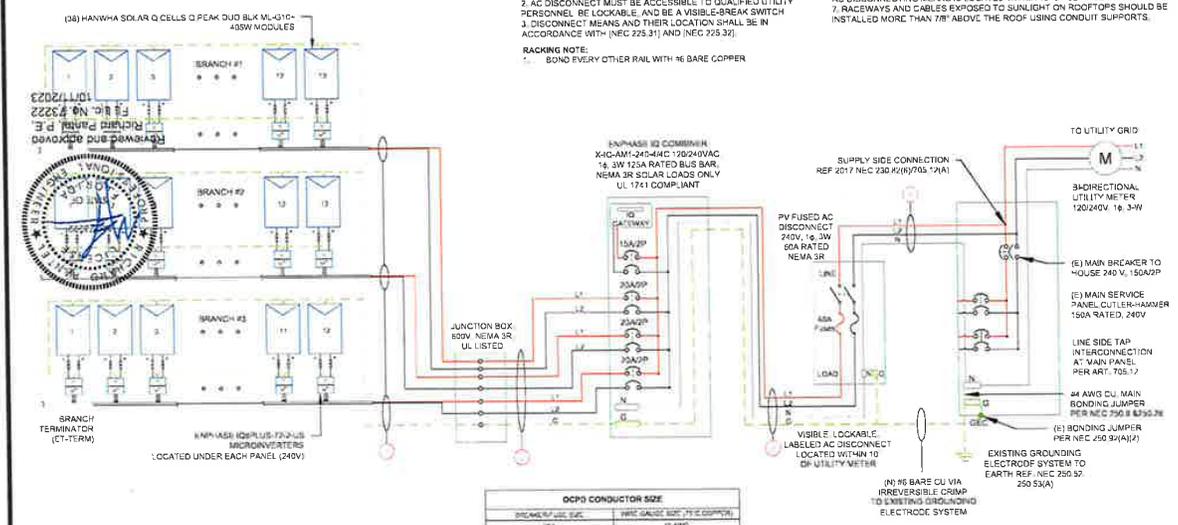
1. BOND EVERY OTHER RAIL WITH #6 BARE COPPER

GROUNDING & GENERAL NOTES:

1. PV GROUNDING ELECTRODE SYSTEM NEEDS TO BE INSTALLED IN ACCORDANCE WITH (NEC 690.43)
2. PV INVERTER IS UNGROUNDED, TRANSFORMER-LESS TYPE
3. DC GEC AND AC GEC TO REMAIN UNSPLICED, OR SPLICED TO EXISTING ELECTRODE
4. ANY EXISTING WIRING INVOLVED WITH PV SYSTEM CONNECTION THAT IS FOUND TO BE INADEQUATE PER CODE SHALL BE CORRECTED PRIOR TO FINAL INSPECTION.
5. SOLADECK QUANTITIES AND PLACEMENT SUBJECT TO CHANGE IN THE FIELD - JUNCTION BOXES DEPICTED ON ELECTRICAL DIAGRAM REPRESENT WIRE TYPE TRANSITIONS.
6. AC DISCONNECT NOTED IN EQUIPMENT SCHEDULE OPTIONAL IF OTHER AC DISCONNECTING MEANS IS LOCATED WITHIN 10' OF SERVICE DISCONNECT
7. RACEWAYS AND CABLES EXPOSED TO SUNLIGHT ON ROOFTOPS SHOULD BE INSTALLED MORE THAN 7/8" ABOVE THE ROOF USING CONDUIT SUPPORTS.

BRILLIANT
 1433 HOOPER AVE, STE 212
 TOMS RIVER, NJ 08753

REVISIONS	DESCRIPTION	DATE	REV



CONDUCTOR SIZE	MINIMUM REQUIRED PER NEC 310.17	CONTRACTOR MAY UPSIZE AS NEEDED
25A	10 AWG	10 AWG
30A	10 AWG	10 AWG
35A	10 AWG	10 AWG
40A	10 AWG	10 AWG
45A	10 AWG	10 AWG
50A	10 AWG	10 AWG
55A	10 AWG	10 AWG
60A	10 AWG	10 AWG
65A	10 AWG	10 AWG
70A	10 AWG	10 AWG
75A	10 AWG	10 AWG
80A	10 AWG	10 AWG
85A	10 AWG	10 AWG
90A	10 AWG	10 AWG
95A	10 AWG	10 AWG
100A	10 AWG	10 AWG
110A	10 AWG	10 AWG
120A	10 AWG	10 AWG
150A	10 AWG	10 AWG
200A	10 AWG	10 AWG
250A	10 AWG	10 AWG

QTY	CONDUCTOR INFORMATION	CONDUIT TYPE	CONDUIT SIZE
(6)	CU#12AWG - ENPHASE ENHANCE CABLE (L1 & L2 NO NEUTRAL)	N/A	N/A
(1)	CU #8AWG - BARE COPPER IN FREE AIR		
(8)	CU#18AWG - THWN-2 L1 & L2	#12 ROMEK	3/4"
(1)	CU#18AWG - CU THWN-2 GND	EMT, LFMC OR PVC	3/4"
(7)	CU #8AWG - THWN-2 OR THHN L1 & L2	EMT, LFMC OR PVC	3/4"
(1)	CU #8AWG - CU THWN-2 OR THHN N	EMT, LFMC OR PVC	3/4"
(7)	CU #8AWG - THWN-2 OR THHN L1 & L2	EMT, LFMC OR PVC	3/4"
(1)	CU #8AWG - CU THWN-2 OR THHN N	EMT, LFMC OR PVC	3/4"

ORLANDO CORREA RESIDENCE
 811 SW 23RD PL.,
 OCALA, FL 34471

DRAWN BY
ESR

SHEET NAME
ELECTRICAL LINE DIAGRAM

SHEET SIZE
**ANSI B
 11" X 17"**

SHEET NUMBER
E003

1 ELECTRICAL LINE DIAGRAM

SCALE: NTS

CAP Government Inc.
 1001 W. ...
 ...

This item has been digitally signed and sealed by Richard Parrel P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be written on any electronic copies.



Q.PEAK DUO BLK ML-G10+
385-405
ENDURING HIGH PERFORMANCE

25 Year Warranty

USA

25 Year Warranty

2021

Q CELLS

SHREKING THE 20% EFFICIENCY BARRIER
Q ANTUM DUO 2 Technology with zero-gap cell layout powers module efficiency up to 20.9%

THE MOST TRANSPARENT TESTING PROGRAM
Q CELLS is the first solar module manufacturer to open the most comprehensive quality programme in the industry. The new "Quality Certified PV" of the independent certification institute TÜV Rheinland

INNOVATIVE ALL-WEATHER TECHNOLOGY
Optimal yields, whatever the weather, with excellent low-light and temperature behavior

EXTRA LONG LIFETIME WARRANTY
Long-term yield security with anti-LID technology, anti-PID technology, Hot Spot Protect and Traceable Quality Tru Q™

EXTRA RESILIENT MATERIALS
High-strength aluminum alloy frame, certified for high snow (6400 lbs) and wind loads (2000 mph)

SEMI-CONDUCTIVE SILVER INK
Includes 25-year product warranty and 25-year linear performance warranty

Q CELLS

MECHANICAL SPECIFICATION

Model: 385-405
Type: Mono-crystalline Silicon
Dimensions: 1780mm x 1052mm x 30mm
Weight: 21.2kg
Cell Size: 182mm x 210mm
Cell Type: PERC
Power Class: 405Wp
Voltage (Voc): 48.2V
Current (Isc): 8.41A
Power (Pmax): 405W
Efficiency: 20.9%

ELECTRICAL CHARACTERISTICS

POWER CLASS	385	390	395	400	405
Voc [V]	48.2	48.2	48.2	48.2	48.2
Isc [A]	8.41	8.41	8.41	8.41	8.41
Pmax [W]	385	390	395	400	405
Vmp [V]	38.5	38.5	38.5	38.5	38.5
Imp [A]	10.4	10.4	10.4	10.4	10.4
FF [%]	77.5	77.5	77.5	77.5	77.5
Efficiency [%]	20.9	20.9	20.9	20.9	20.9

Q CELLS PERFORMANCE WARRANTY

PERFORMANCE AT LOW IRRADIANCE

TEMPERATURE COEFFICIENTS

PROPERTIES FOR SYSTEM DESIGN

QUALIFICATIONS AND CERTIFICATES

PACKAGING INFORMATION

REVISIONS

BRILLIANT SOLAR
1433 HOOVER AVE, STE 212
TOMS RIVER, NJ 08753

PROJECT NAME & ADDRESS
ORLANDO CORREA RESIDENCE
811 SW 23RD PL., OCALA, FL 34471

DRAWN BY
ESR

SHEET NAME
MODULE DATASHEET

SHEET SIZE
ANSI B
11" X 17"

SHEET NUMBER
PD001



IQ8 and IQ8+ Microinverters

Our newest IQ8 Microinverters are the industry's first micro-grid-forming, software-defined microinverters with split-phase power conversion capability to convert DC power to AC power efficiently. The brain of the semiconductor-based micro inverter is our proprietary application-specific integrated circuit (ASIC) which enables the microinverter to operate in grid-tied or off-grid modes. This chip is built in advanced 55nm technology with high speed digital logic and has super-fast response times to changing loads and grid events, alleviating constraints on battery sizing for home energy systems.



Part of the Enphase Energy System, IQ8 Series Microinverters integrate with the Enphase IQ Battery, Enphase IQ Gateway, and the Enphase App monitoring and analysis software.



IQ8 Series Microinverters combine reliability, efficiency with more than 10 million cumulative hours of power on testing, enabling an industry-leading limited warranty of up to 25 years.



Connect PV module output and leads to IQ8 Series Microinverters using the included 3-DOE-2 adapter cable with plug-in-style MC4 connectors.



IQ8 Series Microinverters are UL listed as PV Rapid Shut-Down Equipment and conform with safety regulations which are listed according to manufacturer's instructions.

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 MSRP: \$6.55/ea (19.99 ea 2022) 48177

- Easy to install**
- Lightweight and compact with plug-in-style connectors
 - Power Line Communication (PLC) between components
 - Faster installation with simple two-wire cabling
- High productivity and reliability**
- Produce power even when the grid is down*
 - More than one million cumulative hours of testing
 - Class II double-insulated enclosure
 - Optimized for the latest high-powered PV modules
- Microgrid-forming**
- Complies with the latest advanced grid support**
 - Remote automatic updates for the latest grid requirements
 - Configurable to support a wide range of grid profiles
 - Meets CA Rule 21 (UL 1741-SA) requirements

* Only when installed with IQ System Controller 2 (max 4.0kV)
 ** CA and ESPP only supports with phase 34N installation only.

IQ8 and IQ8+ Microinverters

	IQ44-2-40	IQ44S-10-0-45
Continuity and module ratings†	300 - 800	250 - 800
Module compatibility	60-cell/72 half-cut	60-cell/72 half-cut, 66-cell/72 half-cut and 72-cell/74 half-cut
MPPV voltage range	21 - 51	21 - 45
Operating range	21 - 48	23 - 50
Maximum open voltage	307.48	307.58
Max input DC voltage	30	60
Max DC current (breakout)	10	10
Over-voltage class DC port	II	II
DC port backfeed current	10	10
PV array configuration	10 long/unshielded wires; 10 additional DC wire protection required; AC wire protection requires max 30A per branch circuit	
EMF/ELF (dBµV/m)	64.43 - 7.07	64.43 - 7.45
Real output power	240	260
Max continuous output power	240	260
Normal ILL1 voltage range‡	240 / 240	
Max continuous output current	10	12
Normal frequency	60	60
Extended frequency range	50 - 68	50 - 68
AC short-circuit fault current over 3 seconds	2	2
Max units per 20 AWG (L) branch circuit¶	6	13
Total harmonic distortion	15%	15%
Over-voltage class AC port	II	II
AC port backfeed current	30	30
Power factor setting	0	0
Grid-tied power factor (adjustable)	0.95 leading - 0.95 lagging	0.95
Peak efficiency	97.5	97.6
CEC weighted efficiency	97	97
Light time/energy consumption	60	60
MECHANICAL DATA		
Relative humidity range	-40°C to +60°C (-40°F to +140°F)	
Relative humidity range	4% to 100% (condensing)	
DC Connector label	MC4	
Dimensions (inches)	2.0 in (5.1") x 1.75 in (4.4") x 3.32 in (8.4")	
Weight	1.08 kg (2.38 lbs)	
Cooling	Natural convection - no fans	
Approved for wall installation	Yes	
Pollution degree	F53	
Enclosure	Class II Double-insulated, non-metallic polymer enclosure	
Environ category / UV exposure rating	MESH Type 1 / 1000hr	
Compliance	CA Rule 21 (UL 1741-SA) 48177P-1 (UL 1741) IEEE 1547-2018 Class B IEC 62109 Class B IEC 60335-1-2013 NO. 1011 (I)	

† Continuity: The product will be listed as PV Rapid Shut-Down Equipment and conforms with NEC 2014, NEC 2017, and NEC 2020 section 690.12 and C22.1-2018 Rule 64-28 Rapid Shutdown of PV Systems, for AC and DC connections, when installed according to manufacturer's instructions.

‡ ILL1: Maximum continuous input DC current is 10.5A (23.5A) nominal with a surge limit of 15 extended beyond nominal if required on the string. All limits may vary. Refer to local requirements to determine the number of microinverters per branch in your area.

§ Only when installed with IQ System Controller 2 (max 4.0kV)

¶ CA and ESPP only supports with phase 34N installation only.

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MSRP: \$6.55/ea (19.99 ea 2022) 48177



BRILLIANT SOLAR
 1433 HOOPER AVE, STE 212
 TOMS RIVER, NJ 08753

DESCRIPTION	DATE	BY
REV. 10/19/22		

REVISIONS	

PROJECT NAME & ADDRESS
 ORLANDO CORREA
 RESIDENCE
 811 SW 23RD PL.,
 OCALA, FL 34471

DRAWN BY
 ESR

SHEET NAME
 MICROINVERTER
 DATASHEET

SHEET SIZE
 ANSI B
 11" X 17"

SHEET NUMBER
 PD002

American Strategic Insurance Corp
 1 ASI Way
 St. Petersburg, FL 33702
 Phone: (727) 374-2502



Premises Only Liability Declarations Page

Agent:
 North Florida Agents Network, Inc
 PO Box 12969
 Tallahassee, FL 32317

Agent Code: 416519
For Policy Service, Call: (850) 681-6326

Total Policy Premium: \$163
Policy Number: FLU171912
Plan Type: UMB

Policy Period: From: 12/21/2023 To: 12/21/2024

Effective Date of Transaction: 12/21/2023

Transaction Type: New Business

Named Insured:

ORLANDO CORREA
 811 SW 23RD PL
 OCALA, FL 34471

Premises Location(s):

811 SW 23RD PL , OCALA, FL 34471-1343

Coverage Limit: \$ 1,000,000

Coverages	Limit	Premium
Liability Base Premium	\$ 1,000,000	\$200.00
Surcharges & Discounts		
Desired Coverage Limit		\$0.00
Increased Underlying Property Liability		\$0.00
Territory Factor (UIM)		\$0.00
Premises Only Credit		(\$59.00)
Swimming Pool/Spas		\$0.00
Minimum Limit Premium Adjustment		\$0.00
Policy Fee		\$25.00
Florida Insurance Guaranty Association Emergency Assessment		\$1.36
Florida Insurance Guaranty Association Fee		\$0.95
e-Policy Discount		(\$5.00)
TOTAL POLICY PREMIUM:		\$163.00

All Insureds:

Correa, Orlando

Policy Forms:

Amendment of Policy Provisions - Florida	ASI PUP FL SP 10 20
Premises Liability	ASI PUP 005 09 99
Auto Liability Exclusion - Florida	ASI PUP FL ALE 10 20
Public Or Livery Conveyance Exclusion - Florida	ASI PUP FL PCE 10 20
Personal Umbrella Liability Policy	DL 98 01 06 98

Additional Interest:

President

Agent

Policyholder: ORLANDO CORREA

Policy ID: FLU171912

Required Retained Limits**All Automobiles, Motorcycles, Motorhomes, Mopeds, and All Road Licensed Vehicles:****Required Retained Limits** *(Does not apply for Premises Only Liability policies)*

\$250,000 / \$500,000 / \$100,000 or \$300,000 CSL for policies with any drivers age 22-79

\$500,000 / \$500,000 / \$500,000 or \$500,000 CSL for policies with any drivers 21 and younger or 80 and older *

All Automobiles and Motorhomes Requesting UM Coverage:**Required Retained Limits**

UM: \$250,000 / \$500,000 / \$100,000 or \$300,000 CSL for policies with any drivers age 22-79

UM: \$500,000 / \$500,000 / \$500,000 or \$500,000 CSL for policies with any drivers 21 and younger or 80 and older

Comprehensive Personal Liability, Homeowners, or Farm Comprehensive Personal Liability:**Required Retained Limits**

\$300,000

Residential Rental Properties Covered Under the Dwelling Fire Policy for 1-4 Family Residences:**Required Retained Limits**

\$300,000

Personal Injury Coverage Endorsed to the Homeowners Policy (whenever available):**Required Retained Limits** *(Does not apply for Premises Only Liability policies)*

\$300,000

All Recreational Vehicles Including Golf Carts, Utility Vehicles, Trail Bikes or Other Vehicles Not Required to be Licensed:**Required Retained Limits** *(Does not apply for Premises Only Liability policies)*

\$250,000 / \$500,000 / \$100,000 or \$300,000 CSL

Watercraft:**Required Retained Limits** *(Does not apply for Premises Only Liability policies)*

\$250,000 / \$500,000 / \$100,000 or \$300,000 CSL

* Required Retained Limits are reduced to \$250,000/\$500,000/\$100,000 or \$300,000 CSL when the Underlying Automobile Surcharge is applied.

Detailed Schedule**Automobiles**

<u>Make</u>	<u>Model</u>
N/A	N/A

Motorcycles and Mopeds

<u>Make</u>	<u>Model</u>
N/A	N/A

Watercraft

<u>Make</u>	<u>Model</u>	<u>Length (ft)</u>	<u>MPH</u>
N/A	N/A	N/A	N/A

Golf Carts, Utility Vehicles or Recreational Vehicles

<u>Make</u>	<u>Model</u>
N/A	N/A

Motorhomes

<u>Make</u>	<u>Model</u>
N/A	N/A

Certificate Of Completion

Envelope Id: 661B820CB2F94BF5BB969A185EDBB1A0	Status: Completed
Subject: FOR SIGNATURES-Net Metering Agreement_ Orlando Correa (ELE/240601)	
Source Envelope:	
Document Pages: 26	Signatures: 5
Certificate Pages: 5	Initials: 0
AutoNav: Enabled	Envelope Originator:
Envelope Stamping: Enabled	Porsha Ullrich
Time Zone: (UTC-05:00) Eastern Time (US & Canada)	110 SE Watula Avenue
	City Hall, Third Floor
	Ocala, FL 34471
	pullrich@ocalafl.gov
	IP Address: 216.255.240.104

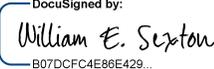
Record Tracking

Status: Original	Holder: Porsha Ullrich	Location: DocuSign
4/4/2024 3:39:20 PM	pullrich@ocalafl.gov	
Security Appliance Status: Connected	Pool: StateLocal	
Storage Appliance Status: Connected	Pool: City of Ocala - Procurement & Contracting	Location: DocuSign

Signer Events

William E. Sexton
 wsexton@ocalafl.org
 City Attorney
 City of Ocala
 Security Level: Email, Account Authentication (None)

Signature

DocuSigned by:

 B07DCFC4E86E429...
 Signature Adoption: Pre-selected Style
 Using IP Address: 216.255.240.104

Timestamp

Sent: 4/4/2024 3:44:56 PM
 Viewed: 4/5/2024 3:54:20 PM
 Signed: 4/5/2024 3:54:53 PM

Electronic Record and Signature Disclosure:

Not Offered via DocuSign

Janice Mitchell
 jmitchell@Ocalafl.org
 CFO
 City of Ocala
 Security Level: Email, Account Authentication (None)

DocuSigned by:

 55198B43858A4E1...
 Signature Adoption: Pre-selected Style
 Using IP Address: 216.255.240.104

Sent: 4/5/2024 3:54:54 PM
 Viewed: 4/8/2024 7:12:55 AM
 Signed: 4/9/2024 8:54:42 AM

Electronic Record and Signature Disclosure:

Accepted: 4/8/2024 7:12:55 AM
 ID: eee6935d-acc7-4100-acd4-bcbc2be55810

Chris Gowder
 chris.gowder@fmpa.com
 VP of IT/OT and System Ops
 Security Level: Email, Account Authentication (None)

DocuSigned by:

 087F58EBB34B474...
 Signature Adoption: Uploaded Signature Image
 Using IP Address: 38.77.131.2

Sent: 4/9/2024 8:54:44 AM
 Viewed: 4/9/2024 8:56:27 AM
 Signed: 4/9/2024 8:56:36 AM

Electronic Record and Signature Disclosure:

Accepted: 4/9/2024 8:56:27 AM
 ID: 68a7035a-aa34-4822-adb1-f1fb5ec3df69

In Person Signer Events	Signature	Timestamp
Editor Delivery Events	Status	Timestamp
Agent Delivery Events	Status	Timestamp
Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp
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Carbon Copy Events	Status	Timestamp
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Witness Events	Signature	Timestamp
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Notary Events	Signature	Timestamp
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Envelope Summary Events	Status	Timestamps
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Envelope Sent	Hashed/Encrypted	4/4/2024 3:44:57 PM
Certified Delivered	Security Checked	4/9/2024 8:56:27 AM
Signing Complete	Security Checked	4/9/2024 8:56:36 AM
Completed	Security Checked	4/9/2024 8:56:36 AM

Payment Events	Status	Timestamps
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Electronic Record and Signature Disclosure

ELECTRONIC RECORD AND SIGNATURE DISCLOSURE

From time to time, City of Ocala - Procurement & Contracting (we, us or Company) may be required by law to provide to you certain written notices or disclosures. Described below are the terms and conditions for providing to you such notices and disclosures electronically through the DocuSign system. Please read the information below carefully and thoroughly, and if you can access this information electronically to your satisfaction and agree to this Electronic Record and Signature Disclosure (ERSD), please confirm your agreement by selecting the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

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At any time, you may request from us a paper copy of any record provided or made available electronically to you by us. You will have the ability to download and print documents we send to you through the DocuSign system during and immediately after the signing session and, if you elect to create a DocuSign account, you may access the documents for a limited period of time (usually 30 days) after such documents are first sent to you. After such time, if you wish for us to send you paper copies of any such documents from our office to you, you will be charged a \$0.00 per-page fee. You may request delivery of such paper copies from us by following the procedure described below.

Withdrawing your consent

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.

Consequences of changing your mind

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.

All notices and disclosures will be sent to you electronically

Unless you tell us otherwise in accordance with the procedures described herein, we will provide electronically to you through the DocuSign system all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you. To reduce the chance of you inadvertently not receiving any notice or disclosure, we prefer to provide all of the required notices and disclosures to you by the same method and to the same address that you have given us. Thus, you can receive all the disclosures and notices electronically or in paper format through the paper mail delivery system. If you do not agree with this process, please let us know as described below. Please also see the paragraph immediately above that describes the consequences of your electing not to receive delivery of the notices and disclosures electronically from us.

How to contact City of Ocala - Procurement & Contracting:

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.

If you created a DocuSign account, you may update it with your new email address through your account preferences.

To request paper copies from City of Ocala - Procurement & Contracting

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.

To withdraw your consent with City of Ocala - Procurement & Contracting

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

- i. decline to sign a document from within your signing session, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;
- 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..

Required hardware and software

The minimum system requirements for using the DocuSign system may change over time. The current system requirements are found here: <https://support.docusign.com/guides/signer-guide-signing-system-requirements>.

Acknowledging your access and consent to receive and sign documents electronically

To confirm to us that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will provide to you, please confirm that you have read this ERSD, and (i) that you are able to print on paper or electronically save this ERSD for your future reference and access; or (ii) that you are able to email this ERSD to an email address where you will be able to print on paper or save it for your future reference and access. Further, if you consent to receiving notices and disclosures exclusively in electronic format as described herein, then select the check-box next to ‘I agree to use electronic records and signatures’ before clicking ‘CONTINUE’ within the DocuSign system.

By selecting the check-box next to ‘I agree to use electronic records and signatures’, you confirm that:

- You can access and read this Electronic Record and Signature Disclosure; and
- You can print on paper this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
- Until or unless you notify City of Ocala - Procurement & Contracting as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by City of Ocala - Procurement & Contracting during the course of your relationship with City of Ocala - Procurement & Contracting.