

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: Rajasekhar Ventrpragada

Mailing Address: 1425 SE 47TH ST

City: Ocala State: FL Zip Code: 34480

Phone Number: 352-299-6527 Alternate Phone Number: _____

Email Address: rajventra@yahoo.com Fax Number: _____

Ocala Electric Utility Customer Account Number: 540778 - 148411

2. RGS Facility Information

Facility Location: 1425 SE 47TH ST

Ocala Electric Utility Customer Account Number: 540778 - 148411

RGS Manufacturer: REC Solar

Manufacturer's Address: 20 Tuas South Ave 14
Singapore 637312

Reference or Model Number: REC ALPHA Pure RX series qty(84) 450W

Serial Number: REC ALPHA Pure RX series

(Continued on Sheet No.19.1)

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

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

3. Facility Rating Information

Gross Power Rating: 32.12 ("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: _____

Anticipated In-Service Date: PV _____

4. Application Fee

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

5. Interconnection Study Fee

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

6. Required Documentation

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

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

(Continued on Sheet No. 19.2)

CONTRACT# ELE/250982

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

FIRST REVISED SHEET NO. 19.2
CANCELS ORIGINAL SHEET NO. 19.2

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

C. Proof of insurance in the amount of:

Tier 1 - \$100,000.00
Tier 2 - \$1,000,000.00
Tier 3 - \$2,000,000.00

Customer

By: Rajasekhar Ventrpragada Date: 7/31/25
(Print Name)

V. Raja Sekhar
(Signature)

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

Effective: October 1, 2019

OCALA ELECTRIC UTILITY
OCALA, FLORIDA

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

Tri-Party Net-Metering Power Purchase Agreement

This Tri-Party Net-Metering Power Purchase Agreement (this “Agreement”) is entered into this 31 day of July, 2025, 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 _____, a retail electric customer of OEU (hereinafter “Customer”).

Rajasekhar Ventrapragada

Section 1. Recitals

1.01. OEU and Customer have executed OEU’s Standard Interconnection Agreement for a Customer-Owned Renewable Generation System (RGS) pursuant to which OEU has agreed to permit interconnection of Customer’s renewable generation to OEU’s electric system at Customer’s presently-metered location, and Customer has agreed to deliver excess electric energy generated by Customer’s Renewable Generation System to OEU’s electric distribution system;

1.02. The City of Ocala and FMPA have entered into the All-Requirements Power Supply Contract, dated as of May 1, 1986, (hereinafter the “ARP Contract”) pursuant to which the City of Ocala has agreed to purchase and receive, and FMPA has agreed to sell and supply OEU with all energy and capacity necessary to operate the OEU electric system, which limits OEU’s ability to directly purchase excess energy from customer-owned renewable generation.

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

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

Section 2. Interconnection

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

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

(Continued on Sheet No. 20.1)

OCALA ELECTRIC UTILITY
OCALA, FLORIDA
(Continued from Sheet No. 20.0)

FIRST REVISED SHEET NO. 20.1
CANCELS ORIGINAL SHEET NO. 20.1

Section 3. Metering

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

Section 4. Purchase of Excess Customer-Owned Renewable Generation

4.01. Customer-owned renewable generation shall be first used for Customer's own load and shall offset Customer's demand for OEU's electricity. All electric power and energy delivered by OEU to Customer shall be received and paid for by Customer to OEU (Received) pursuant to the terms, conditions and rates of the OEU otherwise applicable rate schedule.

4.02. Excess customer-owned renewable generation shall be delivered to the OEU Electric distribution system. For purposes of this Agreement, the term "excess customer-owned renewable generation" means any kWh of electrical energy produced by the customer-owned renewable generation system that is not consumed by Customer and is delivered to the OEU electric distribution system. FMPA agrees to purchase and receive, and Customer agrees to sell and deliver, all excess customer-owned renewable generation at the energy rate established by FMPA, which shall be calculated in accordance with Schedule A. Excess customer-owned renewable generation shall be purchased in the form of a credit on Customer's monthly energy consumption bill from OEU.

4.03. In the event that a given monthly credit for excess customer-owned renewable generation exceeds the total billed amount for Customer's consumption in any corresponding month, then the excess credit shall be applied to the subsequent month's bill. Excess energy credits produced pursuant to the preceding sentence shall accumulate and be used to offset Customer's energy consumption bill for a period of not more than twelve (12) months. At the end of each calendar year, any unused excess energy credits shall be paid by OEU to the Customer in accordance with the OEU Electric Net-Metering Service Rate Schedule.

(Continued on Sheet No. 20.2)

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

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

4.04. FMPA and OEU shall not be required to purchase or receive excess customer-owned renewable generation, and may require Customer to interrupt or reduce production of customer-owned renewable generation, (a) when necessary in order to construct, install, maintain, repair, replace, remove, investigate, or inspect any OEU equipment or part of OEU's system; or (b) if either FMPA or OEU determine, in their sole judgment, that curtailment, interruption, or reduction is necessary because of emergencies, forced outages, force majeure, or compliance with any applicable electric code or standard.

4.05. Customer acknowledges that its provision of electricity to OEU hereunder is on a first-offered, first-accepted basis and subject to diminution and/or rejection in the event the total amount of electricity delivered to OEU pursuant to the Net-Metering Service Rate Schedule (as filed with the Florida Public Service Commission), from all participating OEU customers, exceeds two and one-half percent (2.5%) of the aggregate customer peak demand on the OEU electric system.

Section 5. Renewable Energy Credits

5.01. Customer shall offer FMPA a first right of refusal before selling or granting to any third party the right to the Green Attributes associated with its customer-owned renewable generation that is interconnected to OEU electric distribution system. The term "Green Attributes" shall include any and all credits, certificates, benefits, environmental attributes, emissions reductions, offsets, and allowances, however entitled, attributable to the generation of electricity from the customer-owned-renewable generation and its displacement of conventional energy generation.

5.02. Any additional meter(s) installed to measure total renewable electricity generated by the Customer for the purposes of measuring Green Attributes, including and renewable energy certificates (or similarly titled credits for renewable energy generated), shall be installed at the expense of the Customer, unless determined otherwise during negotiations for the sale of the Customer's credits to FMPA.

Section 6. Term and Termination

6.01. This Agreement shall become effective upon execution by all Parties, and shall remain in effect thereafter on a month-to-month basis until terminated by any Party upon thirty (30) days written notice to all other Parties.

6.02. This Agreement shall terminate immediately and without notice upon: (a) termination of the electric distribution service by OEU or (b) failure by Customer to comply with any of the terms and conditions of this Agreement or OEU's Standard Interconnection Agreement for Customer-Owned Renewable Generation.

(Continued on Sheet No. 20.3)

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

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

Section 7. Miscellaneous Provisions

7.01. Assignment. It is understood and agreed that no party may transfer, sell, mortgage, pledge, hypothecate, convey, designate, or otherwise assign this Agreement, or any interest herein or any rights or obligations hereunder, in whole or in part, either voluntarily or by operation of law, (including, without limitation, by merger, consolidation, or otherwise), without the express written consent of the other parties (and any such attempt shall be void), which consent shall not be unreasonably withheld. Subject to the foregoing, this Agreement shall inure to the benefit of and be binding upon the parties and their respective successors and permitted assigns.

7.02. Amendment. It is understood and agreed that FMPA and OEU reserve the right, on no less than an annual basis, to change any of the terms and conditions, including pricing, in this Agreement on sixty (60) days advance written notice. FMPA and OEU may make such changes on an immediate basis in the event any applicable law, rule, regulation or court order requires them. In such event, FMPA and OEU will give Customer as much notice as reasonably possible under the circumstances.

7.03. Indemnification. To the fullest extent permitted by laws and regulations, and in return for adequate, separate consideration, Customer shall defend, indemnify, and hold harmless FMPA and OEU, their officers, directors, agents, guests, invitees, and employees from and against all claims, damages, losses to persons or property, whether direct, indirect, or consequential (including but not limited to fees and charges of attorneys, and other professionals and court and arbitration costs) arising out of, resulting from, occasioned by, or otherwise caused by the operation or misoperation of the customer-owned renewable generation, or the acts or omissions of any other person or organization directly or indirectly employed by the Customer to install, furnish, repair, replace or maintain the customer-owned renewable generation system, or anyone for whose acts any of them may be liable.

7.04. Governing Law. The validity and interpretation of this Agreement and the rights and obligations of the parties shall be governed and construed in accordance with the laws of the State of Florida without regard for any conflicts of law provisions that might cause the law of other jurisdictions to apply. All controversies, claims, or disputes arising out of or related to this Agreement or any agreement, instrument, or document contemplated hereby, shall be brought exclusively in the County or Circuit Court for Marion County, Florida, or the United States District Court sitting in Marion County, Florida, as appropriate.

(Continued on Sheet No. 20.4)

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

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

7.05. Enforcement of Agreement. In the event that either party is required to enforce this Agreement by court proceedings or otherwise, the prevailing party shall be entitled to recover all fees and costs incurred, including reasonable attorney's fees and costs for trial, alternative dispute resolution, and/or appellate proceedings.

7.06. Severability. To the extent any provision of this Agreement is prohibited by or invalid under applicable law, such provision shall be ineffective to the extent of such prohibition or invalidity, without invalidating the remainder of such provision or the remaining provisions of this Agreement.

7.07. Third Party Beneficiaries and Sovereign Immunity. This Agreement is solely for the benefit of FMPA, OEU, and Customer and no right nor shall any cause of action accrue upon or by reason, to or for the benefit of any third party not a formal party to this Agreement. Nothing in this Agreement, expressed or implied, is intended or shall be construed to confer upon any person or corporation other than FMPA, OEU, or Customer, any right, remedy, or claim under or by reason of this Agreement or any of the provisions or conditions of this Agreement; and, all provisions, representations, covenants, and conditions contained in this Agreement shall inure to the sole benefit of and be binding upon FMPA, OEU, and Customer and their respective representatives, successors, and assigns. Further, no term or condition contained in this Agreement shall be construed in any way as a waiver by either FMPA or OEU of the sovereign immunity applicable to either or both of them as established by Florida Statutes, 768.28.

(Continued on Sheet No. 20.5)

CONTRACT# ELE/250982

OCALA ELECTRIC UTILITY
OCALA, FLORIDA
(Continued from Sheet No. 20.4)

FIRST REVISED SHEET NO. 20.5
CANCELS ORIGINAL SHEET NO. 20.5

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

City of Ocala Electric Utility

By: 
Title: CFO
Date: 10/21/2025

Florida Municipal Power Agency

By: 
Title: Chief Sys Ops & Tech Officer
Date: 10/21/2025

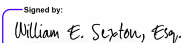
Customer

By: Rajasekhar Ventrpragada Date: 7/31/25
(Print Name)

(Signature)

Customer's City of Ocala Electric Utility Account Number: 540778 - 148411

Approved as to form and legality:


William E. Sexton, Esq.
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
(Continued from Sheet No. 20.5)

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

**Tri-Party Net-Metering Power Purchase Agreement
Schedule A**

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

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

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

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

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

II. Payment for Unused Excess Energy Credits

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

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 31 day of July, 2025, by and between Rajasekhar Ventrapragada, (hereinafter called "**Customer**"), located at 1425 SE 47TH ST 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 interconnection is taking place: 1425 SE 47TH ST.

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 indentified 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;

(Continued on Sheet No. 22.1)

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

Effective: October 1, 2019

OCALA ELECTRIC UTILITY
OCALA, FLORIDA
(Continued from Sheet No. 22.0)

FIRST REVISED SHEET NO. 22.1
CANCELS ORIGINAL SHEET NO. 22.1

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*.

(Continued on Sheet No. 22.2)

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

Effective: October 1, 2019

OCALA ELECTRIC UTILITY
OCALA, FLORIDA
(Continued from Sheet No. 22.1)

FIRST REVISED SHEET NO. 22.2
CANCELS ORIGINAL SHEET NO. 22.2

- 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.

(Continued on Sheet No. 22.3)

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

Effective: October 1, 2019

Ocala Electric Utility
Ocala, Florida
(Continued from Sheet No. 22.2)

FIRST REVISED SHEET NO. 22.3
CANCELS ORIGINAL SHEET NO. 22.3

12. The Customer's RGS must have an appropriately sized grid-tie inverter system that includes applicable protective systems. Customer certifies that the RGS equipment includes 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

CONTRACT# ELE/250982

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: Signed by:
Janice Mitchell
5519854385844E1
Title: CFO
Date: 10/21/2025

By: Rajasekhar Ventrappagada
(Print Name)
V. Rajasekhar
(Signature)
Date: 7/31/2025

City of Ocala Electric Utility Account Number:
540778 - 148411

Approved as to form and legality:

Signed by:
William E. Sexton, Esq.
4405ABBABED04F3
William E. Sexton, Esq.
City Attorney

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

Effective: October 1, 2019



Risk Placement Services, Inc. - Sebastian
2400 E. Commercial Blvd
Suite 728
Fort Lauderdale, FL 33308

RPS Contact:
Claire Murdock
Personal Lines Underwriter
Phone: 786-924-7068
Fax: 786-924-7080
Email: Claire_Murdock@rpsins.com

Insurance Binder

APPLICANT: **Rajasekhar Ventrapragada; Saila Ventrapragada**
1425 Se 47th Street
Ocala, FL 34480

POLICY NO: **PUP2420831**

RENEWAL OF:

COVERAGE: **Personal Umbrella**

SUBMITTED TO: **Shiraj Merchant**
MyInsurancePal, LLC
9462 Narcoossee Rd
Orlando, FL 32827
(404) 433-8918
Roger@myinsurepal.com

RETAIL PRODUCER COMMISSION: **10%**

1. Policy Review - You are responsible for reviewing and explaining the coverage to the client, including any options, available or not from our office. The terms hereon are not fully described, and no assumption should be made as to the adequacy of coverage of the risk to the client.
2. You are not an Agent of the insurer, and as such, cannot bind coverage nor make any commitments on behalf of the insurer, nor of us. This policy cannot be assigned to another without the written consent of the Insurer of the Agent.
3. Cancellation - At binding, you commit to any provisions contained herein such as Minimum Earned Premiums. There are no flat cancellations allowed.

Aug 08, 2025

RPS Submission #: 8134758A



Retail Producer:
Shiraj Merchant
MyInsurancePal, LLC
9462 Narcoossee Rd
Orlando, FL 32827
Phone: (404) 433-8918
Fax: (407) 693-0801
Email: Roger@myinsurepal.com

INSURANCE BINDER

Binder Information

Insured Name: Rajasekhar Ventrapragada; Saila Ventrapragada
Policy Period: 8/7/2025 to 8/7/2026
Insurance Carrier: RLI Insurance Company NAIC #: 13056
Admitted / Non-Admitted: Admitted
A. M. Best Rating: A+ XIV

Physical Location

1425 Se 47th Street,
Ocala, FL 34480

Limits of Insurance

Coverage: Personal Excess/Umbrella

\$1,000,000	Liability Limit
Rejected	Uninsured/Underinsured Motorists

Deductible Information

Coinsurance: %

Rating Information

Aug 08, 2025

RPS Submission #: 8134758A

Premium Summary

Premium **\$1,034.00**

Minimum Earned Premium: 10%

(All applicable taxes and fees are Fully Earned unless otherwise specified.)

Fees:

Tax State (or home state): FL

The State Surplus Lines Notice applies only if Insurance Carrier is shown as Non-Admitted in the Binder Information Section.

THIS INSURANCE IS ISSUED PURSUANT TO THE FLORIDA SURPLUS LINES LAW. PERSONS INSURED BY THE SURPLUS LINES CARRIERS DO NOT HAVE THE PROTECTION OF THE FLORIDA GUARANTY ACT TO THE EXTENT OF ANY RIGHT OF RECOVERY FOR THE OBLIGATION OF AN INSOLVENT UNLICENSED INSURER.

Albert Geraci
2400 E. Commercial Blvd., Ste. 728
Fort Lauderdale, FL 33308
P176271

SURPLUS LINES TAXES:

FIGA **\$10.00**

TOTAL **\$1,044.00**

Coverage Notes

Flat cancellation is not permitted. Minimum earned premium provision applies.

Forms / Endorsements

See attached Company Proposal for terms, conditions and exclusions.

Terms & Conditions

Please note, coverage and premium terms are subject to change or withdrawal pending review and underwriting approval of this additional information:

Subject to Fully Completed, Signed & Dated Application at time of Binding.

Coverage is excess of Underlying per Schedule

è This binder does not include all the terms, coverages, exclusions, limitations, conditions of the actual contract language. The policies themselves must be read for those details. Policy forms for your reference will be made available upon request.

Aug 08, 2025

RPS Submission #: 8134758A

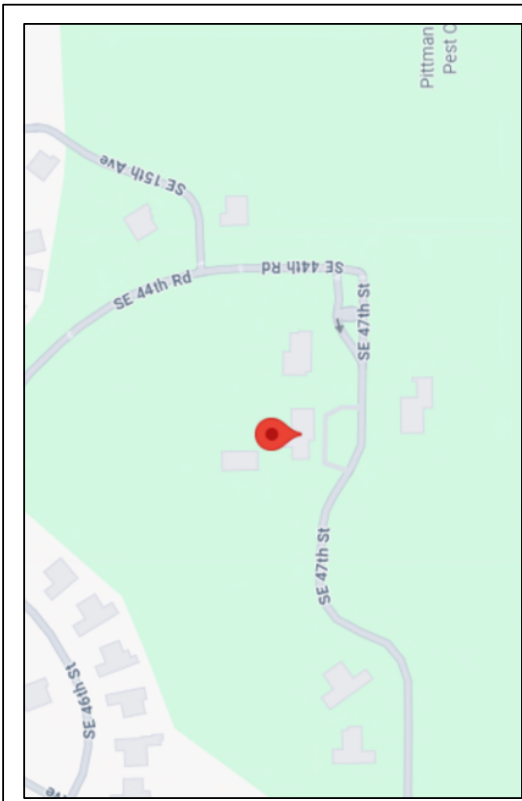
Directory of Pages	
PV-1	Location & System Details
PV-2	Array Layout Details
PV-3	Installation Site Layout
PV-4	Rail Structural Details
PV-5	Strings Connection Details
PV-6	Electrical Connections Diagram
PV-7	Wall Mounting Details
PV-8	Electrical Calculations
PV-9	Notes
PV-10	Warning Labels
PV-11	Fire & Safety Plan
PV-12	Specifications Sheets Index
PV-13-PV-20	Data Sheets
PV-21-PV-22	Certificates

PROJECT DETAILS	
PROPERTY OWNER	Sailaja Ventrpragada
PROPERTY ADDRESS	1425 SE 47TH St , Dcala , FL 34480
ZONING	RESIDENTIAL
USE & OCCUPANCY CLASSIFICATION	0103 - SINGLE FAM CLASS III
AHJ	Dcala , FL 34480
UTILITY COMPANY	Dcala Electric Utility (DEU)
METER S/N	-
SYSTEM TYPE	GRID TIED , UTILITY INTERACTIVE PV SYSTEM

CONTRACTOR INFORMATION	
COMPANY	JM CONSTRUCTION GROUP LLC
LICENSE NUMBER	EC13012226
ADDRESS	532 S. ECON CIR, STE#160 DVIEDO , FL32765
PHONE NUMBER	(407) 607-4493



1 STREET VIEW
P-1 SCALE : NTS



2 LOCATION
P-2 SCALE : NTS



3 AERIAL VIEW
P-3 SCALE : NTS

This item has been digitally signed and sealed by Javier A Llavona on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

I JAVIER A LLAVONA, PE #77363 AN ENGINEER LICENSED PURSUANT TO CHAPTER 471, CERTIFY THAT THE PV ELECTRICAL SYSTEM, ELECTRICAL COMPONENTS AND THE SELECTED MOUNTING TO STRUCTURE ARE DESIGNED AND APPROVED USING THE STANDARDS CONTAINED IN THE FLORIDA BUILDING CODE (FBC) 2023 EDITION.

GOV. CODES
2023 FLORIDA BUILDING CODE - 8TH EDITION
2023 FLORIDA RESIDENTIAL CODE - 8TH EDITION 2020
2023 FLORIDA PLUMBING CODE - 8TH EDITION
2023 FLORIDA MECHANICAL CODE - 8TH EDITION
2023 FLORIDA FIRE PREVENTION CODE - 8TH EDITION
2020 NATIONAL ELECTRICAL CODE
ANY OTHER LOCAL AMENDMENTS

SYSTEM SUMMARY
(N) 84 - REC (450W) MODULES
(N) 84 - ENPHASE IQ8X MICRO-INVERTER
(N) 2 - ENPHASE COMBINER PANEL
(N) JUNCTION BOX
(E) 2X200A MAIN SERVICE PANELS
(N) 02-60A AC DISCONNECT

DESIGN CRITERIA	
ASHRAE XTRE LOW	1°C (34°F)
ASHRAE 2% HIGH	34°C (93°F)
CLIMATE DATA SCE	DCALA CLEAR
WIND SPEED	140 MPH (ASCE7-22)
RISK CATEGORY	II
WIND EXPOSURE CATEGORY	B
ASHRAE XTRE LOW	0 PSF
ROOF COVERING	SHINGLES
S/b ROOF SLOPE	<27°
ROOF HEIGHT	TOTAL HEIGHT < 45FT

SCOPE OF WORK
THIS PROJECT INVOLVES THE INSTALLATION OF A PHOTOVOLTAIC POWER SYSTEM. SOLAR PANELS WILL BE RACKED USING A PRE ENGINEERED RACKING SYSTEM. THE RACKED MODULES WILL BE ELECTRICALLY CONNECTED WITH DC TO AC POWER INVERTER AND INTERCONNECTED TO THE LOCAL UTILITY USING MEANS AND METHODS CONSISTENT WITH THE RULES ENFORCED BY THE LOCAL UTILITY AND PERMITTING JURISDICTION.
SYSTEM SIZE : 37.80KW DC / 32.12 KW AC

THIS DOCUMENT HAS BEEN PREPARED FOR THE PURPOSE OF DESCRIBING THE DESIGN OF A PROPOSED PV SYSTEM WITH ENOUGH DETAIL TO DEMONSTRATE COMPLIANCE WITH APPLICABLE CODES AND REGULATIONS. THE DOCUMENT SHALL NOT BE RELIED UPON AS A SUBSTITUTE FOR FOLLOWING MANUFACTURER INSTALLATION INSTRUCTIONS. THE SYSTEM SHALL COMPLY WITH ALL MANUFACTURERS LISTING AND INSTALLATION INSTRUCTIONS, AS WELL AS ALL APPLICABLE CODES. NOTHING IN THIS DOCUMENT SHALL BE INTERPRETED IN A WAY THAT OVERRIDES THEM. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL CONDITIONS, DIMENSIONS, AND DETAILS IN THIS DOCUMENT.



Drawn by: I. Saqr
Date : 7/26/2025
Scale : As Noted
Job No : 3115

PRIME GREEN SOLUTIONS
L15000107184
532 S. ECON CIR, STE 160 DVIEDO, FL 32765 Cell: 532-607-4493 E-Mail: Saqr@primegsol.com www.Primegsol.com



Client : Sailaja Ventrpragada
Project Name : Sailaja Ventrpragada House
Address: 1425 SE 47TH St , Dcala , FL 34480
Location and System Details

PV-1



This item has been digitally signed and sealed by Javier A Llavona on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

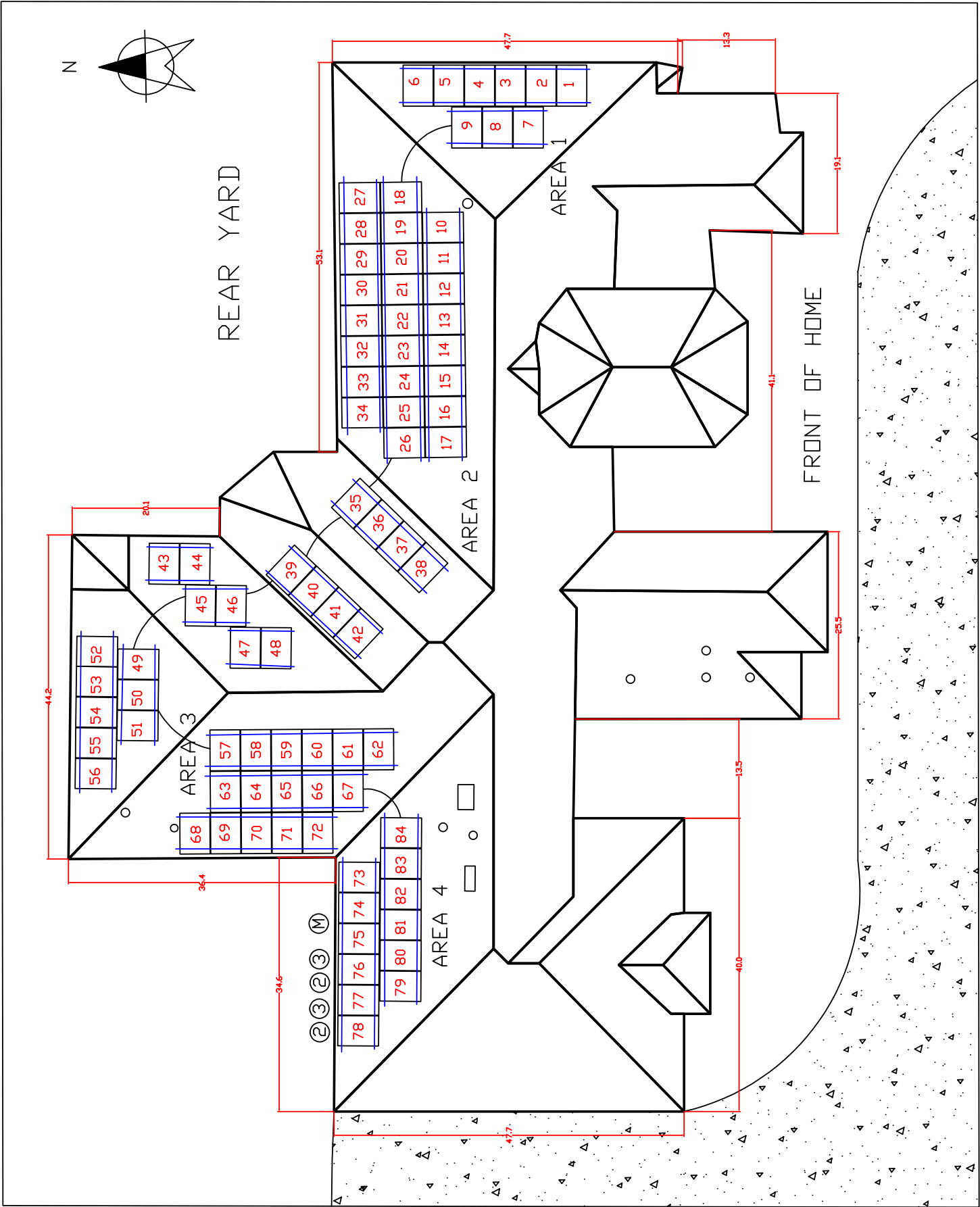
I CERTIFY THAT THE FRAMING OF THIS STRUCTURE WILL SAFELY ACCOMMODATE CALCULATED WIND UPLIFT AND LATERAL FORCES AND EQUIPMENT DEAD LOADS. THIS IS ATTESTED TO BY MY SIGNATURE AND SEAL ON THIS DRAWING.

Client : Salliaja Ventrapragada	Project Name : Salliaja Ventrapragada House	Address: 1425 SE 47TH St , Dcala , FL 34480	Installation Site layout
Drawn by: I. Saqr	Date : 7/26/2025	Scale : As Noted	Job No : 3115
PRIME GREEN SOLUTIONS	L15000107184	S32 S. ECDN CIR, STE 160 DadeCo, FL 32765 Cell: 304-607-4493 E-Mail: Saqr@primegsol.com www.primegsol.com	



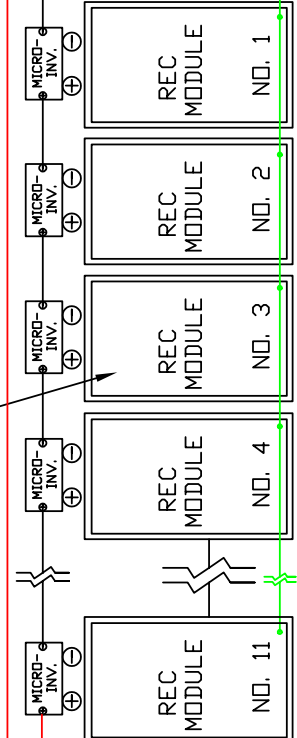
ARRAY AREA & ROOF AREA CALC'S			
ROOF	# OF MODULE	ARRAY AREA (SQF)	ROOF AREA COVERED BY ARRAY (%)
#1	9	187.11	470.37
#2	33	686.07	1728.00
#3	30	623.7	1732.00
#3	12	249.48	770.00
			32.4

- Ⓜ UTILITY METER
- ① ⓐ 2X200A MAIN SERVICE PANELS
- ② 60A LOCKABLE, LABELED AC DISCONNECT
- ③ ENPHASE COMBINER PANEL
- ⓊB JUNCTION BOX (TYP.)
- EMT CONDUIT 3/4"
- REC <450 W>
- UNIRAC RAIL



SYSTEM SIZE : 84 X 450W = 37.80 kW DC
SYSTEM SIZE : 32.12 kW AC

Solar Panel String #1
, 11 REC450AA PURE-RX,
450-watt modules wired as a single series string.
(with ENPHASE IQ8X-80-M-US MICRO-INVERTER).

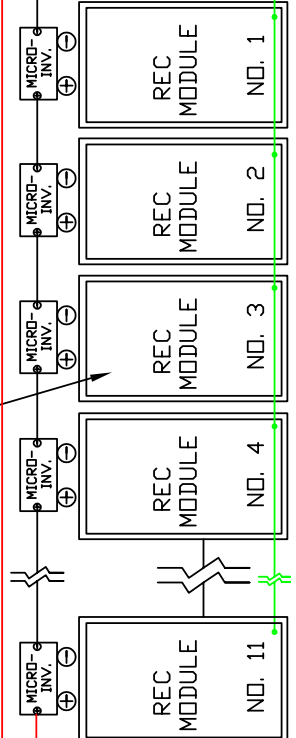


Solar Panel String #2 , 10 MODULES

Solar Panel String #3 , 11 MODULES

Solar Panel String #4 , 10 MODULES

Solar Panel String #5
, 11 REC450AA PURE-RX,
450-watt modules wired as a single series string.
(with ENPHASE IQ8X-80-M-US MICRO-INVERTER).



Solar Panel String #6 , 11 MODULES

Solar Panel String #7 , 10 MODULES

Solar Panel String #8 , 10 MODULES

Power Box Specs :
ENPHASE IQ8X-80-M-US (80 cell modules)
Rated DC Input 440W
Max Input Volts 79.5Vdc
MPPT Range 8-80V
Max Output Amps 15.8A
Output Voltage per PV String 240 VAC

Solar Module Specs:
Make = REC
Model = REC450AA Pure-RX
Cells = 80
Pm = 450W
Voc = 48.9Vdc
Vmp = 42.4Vdc
Isc = 10.14A
Ipm = 9.56A
Tolerance : 0~+5w
Max Volts : 1000Vdc
Series Fuse : 25A

Notes :
* Installing dealer is responsible for correct selection and use of all equipment and materials .
*Conductor size provided includes ambient temperature adjustment only. Additional derating may be needed based on actual conditions of use; conduit fill, conduit location, etc.
*Wire ampacity is based on NEC 2020 75°C copper conductor tables at average highest temperature (due to typical device terminal max. temperature ratings).
*All inverters are required W/ internal rapid shutdown system as per NEC 690.12.
*All lines to have terminator and sealing cap insulated as per manufacturer's specifications.

PV SYSTEM ELECTRICAL CONNECTION DIAGRAM

This item has been digitally signed and sealed by Javier A Llavona on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

I JAVIER A LLAVONA, PE #77363 AN ENGINEER LICENSED PURSUANT TO CHAPTER 471, CERTIFY THAT THE PV ELECTRICAL SYSTEM, ELECTRICAL COMPONENTS AND THE SELECTED MOUNTING TO STRUCTURE ARE DESIGNED AND APPROVED USING THE STANDARDS CONTAINED IN THE FLORIDA BUILDING CODE (FBC) 2023 EDITION.

AC Output
#4 AWG CU
Installer-determined AC Wire in conduit
w/ #8 AWG CU ground.
80A max output
ampacity required .
@1.5%/vd #4 AWG CU ok up to 70 ft
3/4" EMT conduit recommended

#6 AWG CU
L1+L2+N
#8 AWG GND

#6 AWG CU
L1+L2+N

60A AC Disconnect
Lockable, visible,
60A Fused Eaton

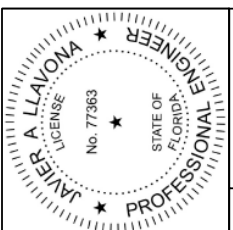
(N) MAX. 80A COMBINER PANEL
ENPHASE IQ COMBINER
X-IQ- AM1-240-5 64A/240V

PV Source Circuits
#10 AWG CU
PV WIRE in free air , or
XHHW-2 in conduit.
w/ #8 AWG CU Ground

Locally - supplied NEMA
3R J-Box.
for combining &
conversion from PV
WIRE at solar array to
XHHW-2

#6 AWG CU
L1+L2+N
#8 AWG GND

(N) MAX. 80A COMBINER PANEL
ENPHASE IQ COMBINER
X-IQ- AM1-240-5 64A/240V
CONTINUOUS,
PROTECTION MAX 80A BREAKER
ON SOLAR OUTPUT,
WITH 10 KAIC CIRCUIT
BREAKERS

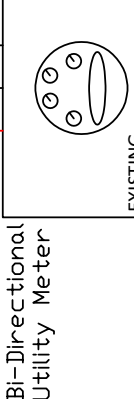
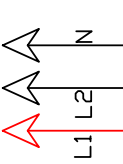


Client : Sallaja Ventrapragada	Project Name : Sallaja Ventrapragada House	Address: 1425 SE 47TH St , Dcala , FL 34480
Electrical Connections Diagram		

PRIME GREEN SOLUTIONS	L15000107184	532 S. ECDN CIR, STE 160 Dade, FL 32765 Cell: 407-607-4493 E-Mail: Sagar@primegsol.com www.primegsol.com
Drawn by: I. Sagar	Date : 7/26/2025	Scale : As Noted
Job No : 3115		

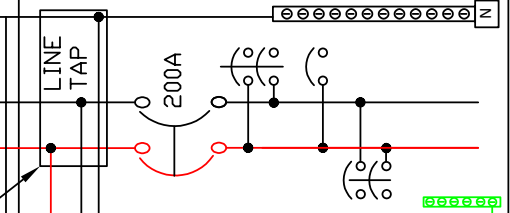


Utility Grid
Split-Phase
120/240Vac
L1 L2 N

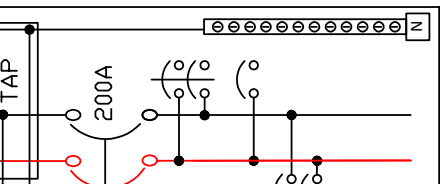


EXISTING
MAIN METER
240 / 120

LINE SIDE
TAPPING



PANEL B
LOC. INSIDE
GARAGE
(EXISTING)



EXISTING
GROUND
ELECTRODE

EXISTING
GROUND
ELECTRODE



Drawn by: I. Saqr	Date : 7/26/2025	Scale : As Noted	Job No : 3115
-------------------	------------------	------------------	---------------

PRIME GREEN SOLUTIONS	L15000107184	532 S. ECDN CIR, STE 160 Davido, FL 32765 Cell: 407-607-4493 E-Mail: Saqr@primegsol.com www.Primegsol.com
-----------------------	--------------	---

JM Construction Group LLC
dba PRIME Green Solution
532 S. ECDN CIR, STE #160
DAVIDO, FL 32765
www.primegsol.com

PRIME GREEN SOLUTIONS

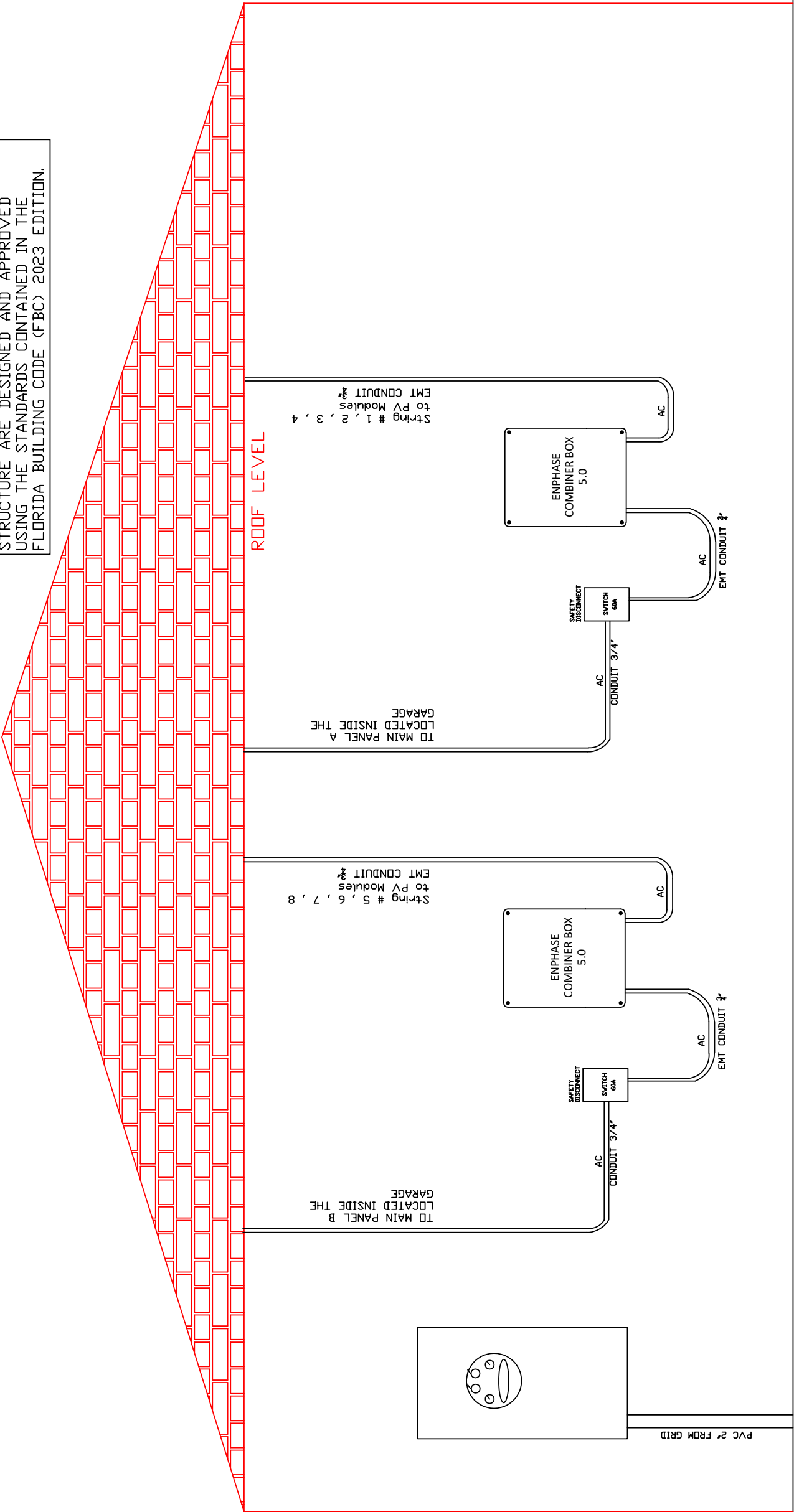
532 S. ECDN CIR, STE 160
Davido, FL 32765
Cell: 407-607-4493
E-Mail: Saqr@primegsol.com
www.Primegsol.com

Client : Saliaja Ventrapragada	Project Name : Saliaja Ventrapragada House	Address: 1425 SE 47TH St , Dcala , FL 34480	Wall Mounting Details
--------------------------------	--	---	-----------------------

PV-7

This item has been digitally signed and sealed by Javier A Llavona on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

I JAVIER A LLAVONA, PE #77363 AN ENGINEER LICENSED PURSUANT TO CHAPTER 471, CERTIFY THAT THE PV ELECTRICAL SYSTEM, ELECTRICAL COMPONENTS AND THE SELECTED MOUNTING TO STRUCTURE ARE DESIGNED AND APPROVED USING THE STANDARDS CONTAINED IN THE FLORIDA BUILDING CODE (FBC) 2023 EDITION.



Notes
* Final Arrangements are subject to site conditions and complying with Electrical code.
* Electrical wires running in EMT Conduits and Pipes and hanging wall with proper clips .

BILL OF MATERIALS		
EQUIPMENT	QTY	DESCRIPTION
SOLAR PV MODULE	84	REC SOLAR ALPHA PURE (450W) MODULES
PANELS	02	ENPHASE COMBINER PANEL 5.0
OPTIMIZER	84	ENPHASE MICRO-INVERTER I08X
JUNCTION BOX	01	WEATHER PROOF JUNCTION BOX
AC DISCONNECT	02	AC DISCONNECT 60A FUSED, WITH 100A/2P , 240V NEMA 3R, UL LISTED,

SOLAR MODULE SPECIFICATIONS	
MANUFACTURER / MODEL #	REC ALPHA PURE (450W) MODULES
VMP	42.40
IMP	9.56
VDC	48.9
ISC	10.14
MODULE DIMENSION	70.7"L x 40.01"W x 1.57"D (1in Inch)

INVERTER SPECIFICATION	
MANUFACTURER / MODEL #	ENPHASE I08X MICROINVERTER
NOMINAL AC POWER	380W
NOMINAL OUTPUT VOLTAGE	240 VAC
NOMINAL OUTPUT CURRENT	1.58A

AMBIENT TEMPERATURE SPECS	
WEATHER STATION: DCALA EXECUTIVE AP	
RECORD LOW TEMP	1°
AMBIENT TEMP (HIGH TEMP 2%)	34°
CONDUIT HEIGHT	0.5'
ROOF TOP TEMP	67°
CONDUCTOR TEMPERATURE RATE	90°
MODULE TEMPERATURE COEFFICIENT OF V _{oc}	-0.26%/°C

PERCENT OF VALUES	NUMBER OF CURRENT CARRYING CONDUCTORS IN EMT
.80	4-6
.70	7-9
.50	10-20

PERCENT OF VALUES	NUMBER OF CURRENT CARRYING CONDUCTORS IN EMT
.80	4-6
.70	7-9
.50	10-20

INVERTERS SPECIFICATIONS	
ENPHASE	I08X MICROINVERTER
DC INPUT POWER	235-440W

ELECTRICAL NOTES

- 1.) ALL EQUIPMENT TO BE LISTED BY UL OR OTHER NRTL, AND LABELED FOR ITS APPLICATION.
- 2.) ALL CONDUCTORS SHALL BE COPPER, RATED FOR 600 V AND 90 DEGREE C WET ENVIRONMENT.
- 3.) WIRING, CONDUIT, AND RACEWAYS MOUNTED ON ROOFTOPS SHALL BE ROUTED DIRECTLY TO, AND LOCATED AS CLOSE AS POSSIBLE TO THE NEAREST RIDGE, HIP, OR VALLEY.
- 4.) WORKING CLEARANCES AROUND ALL NEW AND EXISTING ELECTRICAL EQUIPMENT SHALL COMPLY WITH NEC 110.26.
- 5.) DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS. CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, FITTINGS AND ACCESSORIES TO FULFILL APPLICABLE CODES AND STANDARDS.
- 6.) WHERE SIZES OF JUNCTION BOXES, RACEWAYS, AND CONDUITS ARE NOT SPECIFIED, THE CONTRACTOR SHALL SIZE THEM ACCORDINGLY.
- 7.) ALL WIRE TERMINATIONS SHALL BE APPROPRIATELY LABELED AND READILY VISIBLE.
- 8.) MODULE GROUNDING CLIPS TO BE INSTALLED BETWEEN MODULE FRAME AND MODULE SUPPORT RAIL, PER THE GROUNDING CLIP MANUFACTURER'S INSTRUCTION.
- 9.) MODULE SUPPORT RAIL TO BE BONDED TO CONTINUOUS COPPER G.E.C. VIA WEEB LUG OR ILSCO GBL-4DBT LAY-IN LUG.
- 10.) THE POLARITY OF THE GROUNDED CONDUCTORS IS NEGATIVE

AC CONDUCTOR AMPACITY CALCULATIONS:	
ARRAY TO JUNCTION BOX	
EXPECTED WIRE TEMP (In Celsius)	34°
TEMP. CORRECTION PER TABLE 310.15(B)(2)(a)	0.96
NO. OF CURRENT CARRYING CONDUCTORS	4
CONDUIT FILL CORRECTION PER NEC 310.15(B)(3)(a)	0.80
CIRCUIT CONDUCTOR SIZE	10 AWG
CIRCUIT CONDUCTOR AMPACITY	40A
REQUIRED CIRCUIT CONDUCTOR AMPACITY PER NEC 690.8(A&B)	18.75A
1.25 X MAX. DC OUTPUT CURRENT	
DERATED AMPACITY OF CIRCUIT CONDUCTOR PER NEC 310.15(B)(2)(a)	30.72A
TEMP. CORRECTION PER TABLE 310.15(B)(2)(a) X 30.72A CONDUIT FILL CORRECTION PER NEC 310.15(B)(3)(a) X CIRCUIT CONDUCTOR AMPACITY	
RESULT SHOULD BE GREATER THAN (18.75A) OTHERWISE LESS THE ENTRY FOR CIRCUIT CONDUCTOR SIZE AND AMPACITY	

This item has been digitally signed and sealed by JAVIER A LLAVONA on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

AC CONDUCTOR AMPACITY CALCULATIONS:	
JUNCTION BOX TO COMBINER BOX	
AMBIENT TEMPERATURE ADJUSTMENT FOR EXPOSED CONDUIT PER NEC 310.15(B)(3)(c)	33
EXPECTED WIRE TEMP (In Celsius)	34°+33=67°
TEMP. CORRECTION PER TABLE 310.15(B)(2)(a)	0.58
NO. OF CURRENT CARRYING CONDUCTORS	4
CONDUIT FILL CORRECTION PER NEC 310.15(B)(3)(a)	0.80
CIRCUIT CONDUCTOR SIZE	10 AWG
CIRCUIT CONDUCTOR AMPACITY	40A
REQUIRED CIRCUIT CONDUCTOR AMPACITY PER NEC 690.8(A&B)	18.75A
1.25 X MAX. DC OUTPUT CURRENT	
DERATED AMPACITY OF CIRCUIT CONDUCTOR PER NEC 310.15(B)(2)(a)	30.72A
TEMP. CORRECTION PER TABLE 310.15(B)(2)(a) X 30.72A CONDUIT FILL CORRECTION PER NEC 310.15(B)(3)(a) X CIRCUIT CONDUCTOR AMPACITY	
RESULT SHOULD BE GREATER THAN (18.75A) OTHERWISE LESS THE ENTRY FOR CIRCUIT CONDUCTOR SIZE AND AMPACITY	



Drawn by: I. Saqr	Date : 7/26/2025	Scale : As Noted	Job No : 3115
PRIME GREEN SOLUTIONS	L15000107184	532 S. ECDN CIR, STE 160 Daviedo, FL 32765 Cell: 509-67-4493 E-Mail: Saqr@primegsol.com www.primegsol.com	



Client : Saliaja Ventrapragada	Project Name : Saliaja Ventrapragada House	Address: 1425 SE 47TH St , Dcala , FL 34480	Electrical Calculations
--------------------------------	--	---	-------------------------

**SOLAR PV SYSTEM EQUIPPED
WITH RAPID SHUTDOWN**



⚠ WARNING

**SOURCES: UTILITY GRID
AND PV SOLAR
ELECTRIC SYSTEM**

**⚡ PHOTOVOLTAIC SYSTEM
EQUIPPED WITH
RAPID SHUTDOWN**

⚠ WARNING

PHOTOVOLTAIC SYSTEM COMBINER PANEL

DO NOT ADD LOADS

⚠ WARNING

SOLAR ELECTRIC BREAKER IS BACKFED

⚠ WARNING

SOLAR ELECTRIC CIRCUIT BREAKER IS BACKFED

⚠ WARNING

PHOTOVOLTAIK POWER SOURCE

**DO NOT RELOCATE THIS
OVERCURRENT DEVICE**

DO NOT RELOCATE THE OVERCURRENT DEVICE

ELECTRICAL PANEL

**DO NOT DISCONNECT
UNDER LOAD** ⚡ ⚡

⚠ WARNING

SOLAR ELECTRIC BREAKER IS BACKFED

CAUTION

SOLAR ELECTRIC SYSTEM CONNECTED

⚠ WARNING

TURN OFF PHOTOVOLTAIC
AC DISCONNECT PRIOR TO
WORKING INSIDE PANEL

CAUTION

MULTIPLE SOURCES OF POWER

KWH METER



PHOTOVOLTAIK SOLAR BREAKER

STITCH AND ZONE

CAUTION SOLAR CIRCUIT

! CAUTION
SOLAR CIRCUIT

PHOTOVOLTAIC POWER SOURCE

This item has been digitally signed and sealed by JAVIER A LLAVONA on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



Drawn by: I. Saqr
Date : 7/26/2025
Scale : As Noted
Job No : 3115

TIME GREEN SOLUTIONS
L15000107184
S. ECON CIR, STE 160
Dulvedo, FL 32765
407-607-4493
ll: Saqr@primgsl.com

JM Construction Group LLC
dba PRIME Green Solution
www.primergs.com
532 S. ECON CIR, STE #160
OVIEDO, FL 32765



House

House

4480

51290-

PV-10



Drawn by: I. Saqr	Date : 7/26/2025	Scale : As Noted	Job No : 3115
PRIME GREEN SOLUTIONS	L15000107184	532 S. ECDN CIR, STE 160 Davido, FL 32765 Cell: 407-607-4493 E-Mail: Saqr@primegsol.com www.primegsol.com	



Client : Saliaja Ventrapragada	Project Name : Saliaja Ventrapragada House	Address: 1425 SE 47TH St , Dcaila , FL 34480	Module Data Sheet
--------------------------------	--	--	-------------------

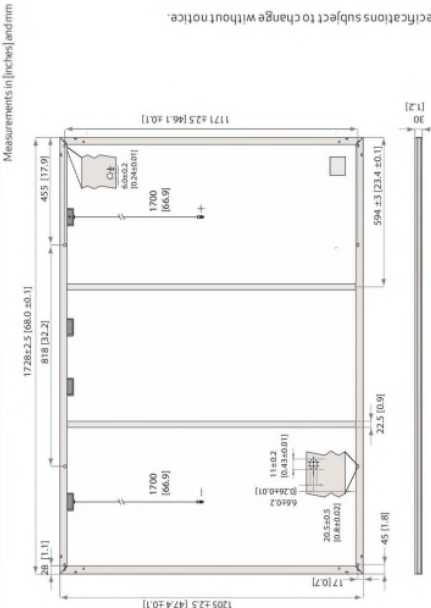
PV-13

REC ALPHA® PURE-RX SERIES DATASHEET



GENERAL DATA

Cell Type	88 half-cut bifacial REC heterojunction cells, with gapless technology
Glass	0.13 in solar glass with anti-reflective surface treatment in accordance with EN12150
Backsheet	Highly resistant polymer (Black)
Frame	Anodized aluminum (Black)
Junction Box	4-part, 4 bypass diodes, IP68 rated, in accordance with IEC 62790:2020
Connectors	Stäubli MC4 PV-KBT 4/KST4 (12 AWG)
Cable	in accordance with IEC 62852:2014, IP68 only when connected 12 AWG solar cable, 66.9 in (1.70 m) • 66.9 in (1.70 m)
Dimensions	68.0 x 47.4 x 1.2 in (22.4 ft*) / 1728 x 1205 x 30 mm (2.08 m ²)
Weight	in accordance with EN50618:2014 50.0 lb / 22.7 kg
Origin	Made in Singapore



Specifications subject to change without notice.

CERTIFICATIONS

ISO 14001; ISO90001; IEC 45001; IEC 62941
IEC 61215:2021/IEC 61730:2023/UL 61730
ISO 1925-2 Ignitability (EN13501-H Class E)
IEC 62716 Ammonia Resistance
IEC 61701 Salt Mist (SM6)
IEC 61215:2016 Hallostone (35mm)
UL 61730 Fire Type 2



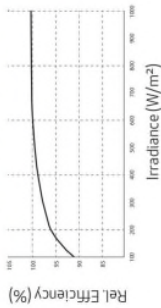
WARRANTY

Installed by an REC	Standard	REC Pro Trust
Certified Professional	No	Yes
System Size	All	<25 kW 25-500 kW
Product Warranty (yrs)	20	25
Power Warranty (yrs)	25	25
Labor Warranty (yrs)	0	25
Power in Year 1	98%	98%
Annual Degradation	0.25%	0.25%
Power in Year 25	92%	92%

REC Pro Trust Warranty applies only for (1) REC panels installed by an REC Certified Professional Installer, and (2) REC panels installed by an REC Certified Professional Installer. Subject to System Size and further conditions. See www.recgroup.com for details.

LOW LIGHT BEHAVIOR

Typical low irradiance performance of module at 5TC:



REC Solar PTE. LTD.
20 Tuas South Ave. 14
Singapore 637312
pos@recgroup.com
www.recgroup.com

Founded in 1996, REC Group is an international pioneering solar energy company, dedicated to empowering consumers with clean, affordable solar power. As Solar's Most Trusted, REC is committed to high quality innovation, and a low carbon footprint in the solar materials and solar panels it manufactures. Headquartered in Norway with operational headquarters in Singapore, REC also has regional hubs in North America, Europe, and Asia-Pacific.

STC

ELECTRICAL DATA

	PRODUCT CODE: RECXXXXAA PURE-RX	
Power Output - P _{max} (Wp)	450	460
Watt Class Sorting - (W)	0/+10	0/+10
Nominal Power Voltage - V _{MPP} (V)	54.3	54.9
Nominal Power Current - I _{MPP} (A)	8.29	8.38
Open Circuit Voltage - V _{OC} (V)	65.6	65.8
Short Circuit Current - I _{SC} (A)	8.81	8.88
Power Density (W/ft²)	20.1	20.5
Panel Efficiency (%)	21.6	22.1

NMOT

Power Output - P _{max} (W _p)	343	350
Nominal Power Voltage - V _{MPP} (V)	51.2	51.7
Nominal Power Current - I _{MPP} (A)	6.70	6.77
Open Circuit Voltage - V _{OC} (V)	61.8	62.0

Values at standard test conditions (STC: air mass AM1.5, irradiance 1000 W/m², temperature 25°C), based on a production spread with a tolerance of P_{max} V_{oc} & I_{sc} ±3% within one watt class. Nominal module operating temperature (NMOT: air mass AM1.5, irradiance 800 W/m², temperature 20°C, windspeed 1 m/s) *Where xxx indicates the nominal power class (P_{max}) at STC above.

MODULE RATINGS

Module Operating Temperature [T ₉₀]	158°F (70°C)
Min. Environmental Temperature	-40°F (-40°C)
System Voltage	1000 V
Maximum Test Load (4 Front Mounting, Front*)	+7000 Pa (1.02 lbs/in²)
Maximum Test Load (4 Front Mounting, Rear*)	-4000 Pa (0.58 lbs/in²)
Maximum Test Load (6 Front Mounting, Front**)	+8000 Pa (1.16 lbs/in²)
Maximum Test Load (6 Front Mounting, Rear**)	-6000 Pa (0.87 lbs/in²)
Max Series Fuse Rating	25 A
Max Reverse Current	25 A

*Design load = Test load / 1.5 (safety factor)
**Design load = Test load / 1.5 (safety factor) + 1.5 (wind uplift factor)
*IEC 61730/UL 61730 (Type II) Refer to installation manual.
**Internal testing. Refer to installation manual.

TEMPERATURE RATINGS*

Nominal Module Operating Temperature	44 ± 2°C
Temperature coefficient of P _{max}	-0.24%/K
Temperature coefficient of V _{OC}	-0.24%/K
Temperature coefficient of I _{SC}	0.04%/K

*The temperature coefficients stated are linear values

DELIVERY INFORMATION

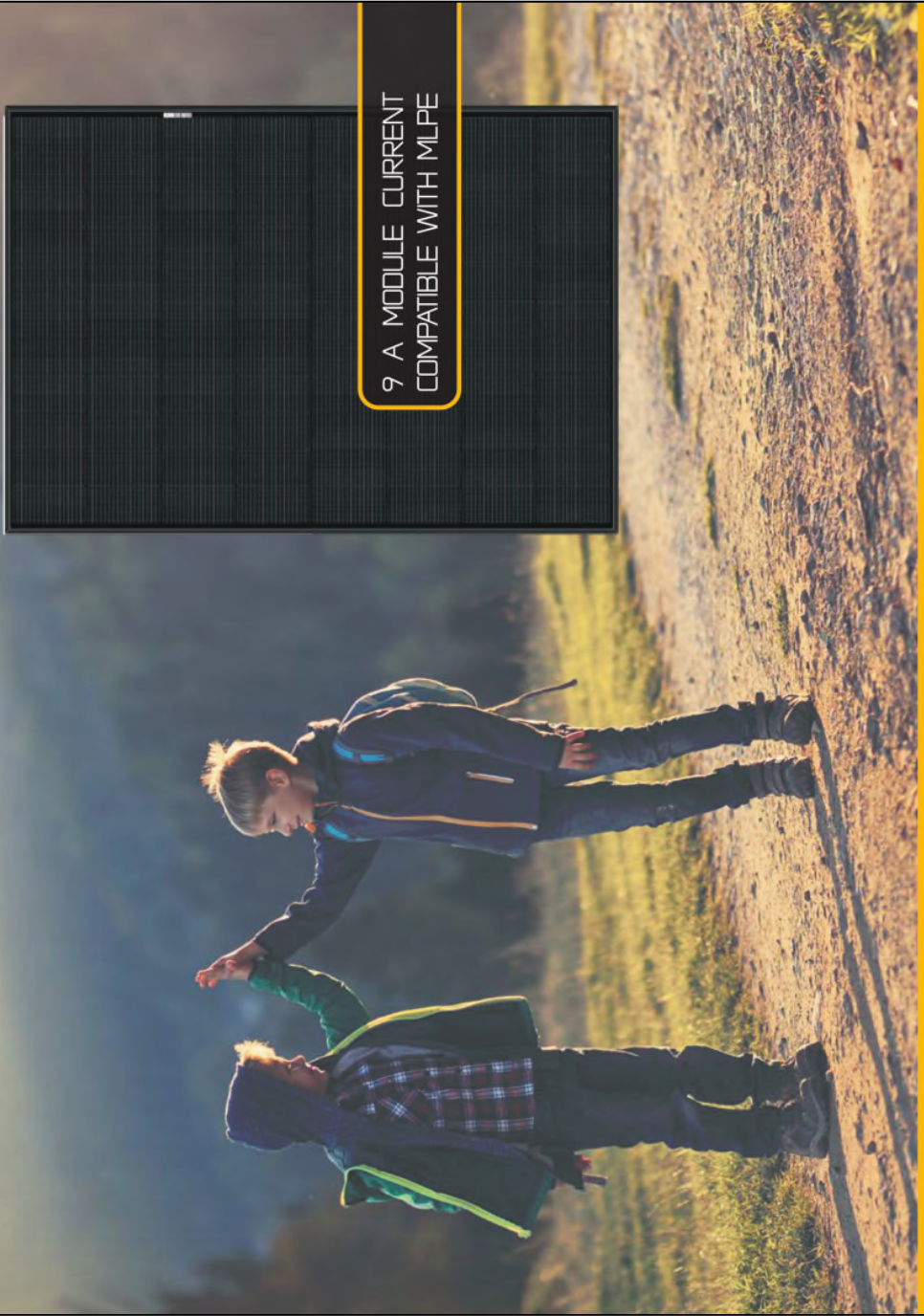
Panels per Pallet	33
Panels per 40 ft GP/high cube container	594 (18 Pallets)
Panels per 53 ft truck	792 (24 Pallets)

Available from:

SOLAR'S MOST TRUSTED



REC ALPHA® PURE-RX SERIES DATASHEET



9 A MODULE CURRENT
COMPATIBLE WITH MLPE

450 - 470W
HETEROJUNCTION
TECHNOLOGY

22.6% EFFICIENCY
>92% POWER IN YEAR 25
-0.24%/K TEMPERATURE
COEFFICIENT OF P_{MAX}



ELIGIBLE



Drawn by: I. Saqr	Date : 7/26/2025	Scale : As Noted	Job No : 3115
PRIME GREEN SOLUTIONS	L15000107184	532 S. ECDN CIR, STE 160 Davideo, FL 32765 Cell: 504rprimegsol.com E-Mail: 504rprimegsol.com www.primegsol.com	

JM Construction Group LLC
dba PRIME Green Solution
532 S. ECDN CIR, STE 160
DAVIDEO, FL 32765
www.primegsol.com

Client : Salliaja Ventrapragada	Project Name : Salliaja Ventrapragada House	Address: 1425 SE 47TH St , Dcaldia , FL 34480	Inverters Data Sheet
---------------------------------	---	---	----------------------

PV-14

Input data (DC)	Units	IQ8X-80-M-US/IQ8X-80-M-DOM-US @ 240 V	IQ8X-80-M-US/IQ8X-80-M-DOM-US ⁵ @ 208 V
Commonly used module pairings ⁶	W	320–540	
Module compatibility	–	To meet compatibility, PV modules must be within the following maximum input DC voltage and maximum module I _{sc} . Module compatibility can be checked at https://enphase.com/installers/microinverters/calculator .	
MPPT voltage range	V	43–60	
Operating range	V	25–79.5	
Minimum/Maximum start voltage	V	30–79.5	
Maximum input DC voltage	V	79.5	
Maximum continuous input DC current	A	10	
Maximum input DC short-circuit current	A	16	
Maximum module I _{sc}	A	13	
Overvoltage class DC port	–	II	
DC port backfeed current	mA	0	
PV array configuration	–	Ungrounded array; no additional DC side protection required; AC side protection requires a maximum of 20 A per branch circuit	
Output data (AC)	Units	IQ8X-80-M-US/IQ8X-80-M-DOM-US @ 240 V	IQ8X-80-M-US/IQ8X-80-M-DOM-US ⁵ @ 208 V
Peak output power	VA	384	366
Maximum continuous output power	VA	380	360
Nominal voltage (L-L)	V	240, split-phase (L-L), 180°	
Minimum and maximum grid voltage ⁸	V	211–264	208, single-phase (L-L), 120 ⁷
Maximum continuous output current	A	1.58	1.73
Nominal frequency	Hz	60	
Extended frequency range	Hz	47–68	
AC short-circuit fault current over three cycles	A _{rms}	2.70	
Maximum units per 20 A (L-L) branch circuit ⁹	–	10	9
Total harmonic distortion	%	<5	
Overvoltage class AC port	–	III	
AC port backfeed current	mA	18	
Power factor setting	–	1.0	
Grid-tied power factor (adjustable)	–	0.85 leading ... 0.85 lagging	
Peak efficiency	%	97.3	97.0
CEC weighted efficiency	%	96.5	96.5
Nighttime power consumption	mW	26	12

⁵ IQ8X-80-M-DOM-US is made in the U.S., and the PCBAs, electrical parts, and enclosure are domestically manufactured to meet the eligibility requirements to be considered for the ITC domestic content bonus adder.
⁶ No enforced DC/AC ratio.
⁷ IQ8X is not certified for use with Enphase Three Phase Network Protection Relay (NPR-3P-208-NA) and is, therefore, designed for single-phase operation only. Check with the local utility requirements if you wish to install single-phase inverters across three phases.
⁸ Minimum voltage range is dependent on the inverter's configuration and may vary by region.
⁹ Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.

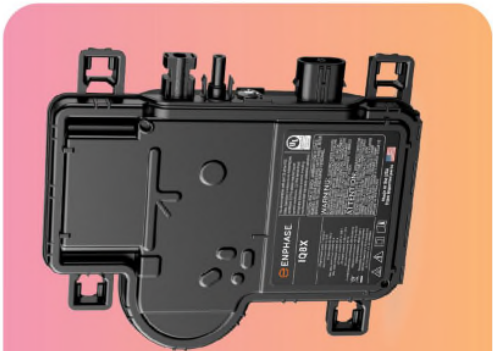


NORTH AMERICA

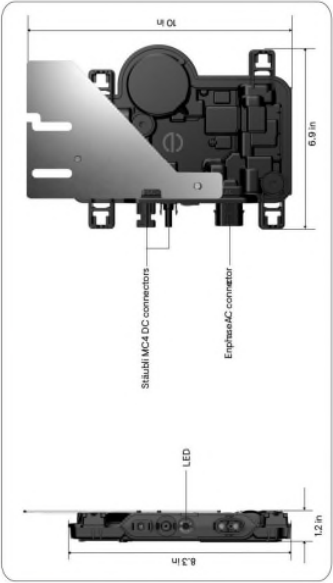
DATA SHEET

IQ8X Microinverter

Our newest IQ8 Series Microinverters^{1,2,3} are the industry's first microgrid-forming⁴, software-defined microinverters with split-phase power conversion capability to convert DC power to AC power efficiently. IQ8X Microinverter is the latest addition to this family, designed to support PV modules with high output DC voltage and cell counts, such as 80-half-cut cells, 88-half-cut cells, and 96-cells.



Key specifications	IQ8X-80-M-US/ IQ8X-80-M-DOM-US @ 240 V	IQ8X-80-M-US/ IQ8X-80-M-DOM-US @ 208 V
Peak output power	384 VA	366 VA
Nominal grid voltage (L-L)	240 V, split-phase (L-L), 180°	208 V, single-phase (L-L), 120°
Nominal frequency	60 Hz	60 Hz
CEC weighted efficiency	96.5%	96.5%
Maximum input DC voltage	79.5 V	79.5 V
MPPT voltage range	43–60 V	43–60 V
Maximum module I _{sc}	13 A	13 A
Ambient temperature range	–40°C to 65°C (–40°F to 149°F)	



¹ IQ8 Series Microinverters can be added to existing IQ7 systems on the same IQ Gateway only in the following grid-tied configurations: Solar Only or Solar + Battery (IQ Battery 3T/10T and IQ Battery 5P) without backup.
² IQ7 Series Microinverters cannot be added to a site with existing IQ8 Series Microinverters on the same gateway.
³ Mixed system of IQ7 and IQ8 will not support IQ8-specific PCS features and grid-forming capabilities.
⁴ IQ Microinverters ship with default settings that meet North America's IEEE 1547 interconnection standard requirements. Region-specific adjustments may be requested by an Authority Having Jurisdiction (AHJ) or utility representative, according to the IEEE 1547 interconnection standard. An IQ Gateway is required to make these adjustments.
⁵ Meets UL 1741 only when installed with IQ System Controller 2 or 3.

Certificate Of Completion

Envelope Id: 4CF6D7F2-30D3-4509-BFC8-31039DC60F4A
 Subject: SIGNATURE: Net-Metering Agreement - Rajasekhar Ventrpragada (ELE/250982)
 Source Envelope:
 Document Pages: 31
 Certificate Pages: 5
 AutoNav: Enabled
 Envelopeld Stamping: Enabled
 Time Zone: (UTC-05:00) Eastern Time (US & Canada)

Status: Completed

Envelope Originator:
 April Adolf
 110 SE Watula Avenue
 City Hall, Third Floor
 Ocala, FL 34471
 aadolf@ocalafl.gov
 IP Address: 216.255.240.104

Record Tracking

Status: Original 10/7/2025 11:27:14 AM	Holder: April Adolf aadolf@ocalafl.gov	Location: DocuSign
Security Appliance Status: Connected	Pool: StateLocal	
Storage Appliance Status: Connected	Pool: City of Ocala - Procurement & Contracting	Location: Docusign

Signer Events

William E. Sexton, Esq.
 wsexton@ocalafl.gov
 City Attorney
 Security Level: Email, Account Authentication (None)

Signature

Signed by:

 4A55AB8A8ED04F3...
 Signature Adoption: Pre-selected Style
 Using IP Address: 216.255.240.104

Timestamp

Sent: 10/7/2025 11:39:32 AM
 Resent: 10/20/2025 11:39:13 AM
 Viewed: 10/20/2025 3:08:42 PM
 Signed: 10/20/2025 3:15:15 PM

Electronic Record and Signature Disclosure:

Accepted: 9/15/2023 9:02:35 AM
 ID: 313dc6f2-e1d0-44c3-8305-6c087d6cdf0b

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

Signed by:

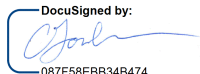
 55198B43858A4E1...
 Signature Adoption: Pre-selected Style
 Using IP Address: 216.255.240.104

Sent: 10/20/2025 3:15:17 PM
 Viewed: 10/21/2025 7:26:47 AM
 Signed: 10/21/2025 7:27:53 AM

Electronic Record and Signature Disclosure:

Accepted: 10/21/2025 7:26:47 AM
 ID: 24008219-08f7-4909-a2bc-f91920907c97

Chris Gowder
 chris.gowder@fmpa.com
 Chief Sys Ops & Tech Officer
 Security Level: Email, Account Authentication (None)

DocuSigned by:

 087F58EBB34B474...
 Signature Adoption: Uploaded Signature Image
 Using IP Address:
 2601:880:81:35e0:c6e:a084:3653:ae97

Sent: 10/21/2025 7:27:54 AM
 Viewed: 10/21/2025 8:45:50 AM
 Signed: 10/21/2025 8:45:57 AM

Electronic Record and Signature Disclosure:

Accepted: 10/21/2025 8:45:50 AM
 ID: 89f653f1-5447-4703-a140-3f4c7af309a5

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
Carbon Copy Events	Status	Timestamp
Witness Events	Signature	Timestamp
Notary Events	Signature	Timestamp
Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	10/7/2025 11:39:32 AM
Certified Delivered	Security Checked	10/21/2025 8:45:50 AM
Signing Complete	Security Checked	10/21/2025 8:45:57 AM
Completed	Security Checked	10/21/2025 8:45:57 AM
Payment Events	Status	Timestamps
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.

Getting paper copies

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.