OCALA ELECTRIC UTILITY OCALA, FLORIDA

FIRST REVISED SHEET NO. 19.0 CANCELS ORIGINAL SHEET NO. 19.0

### APPLICATION FOR INTERCONNECTION OF CUSTOMER-OWNED RENEWABLE GENERATION SYSTEMS

TIER 1 - Ten (10) kW or Less

1. Customer Information

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

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

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

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

# Name: Thomas L Johnson II Mailing Address: 4996 SW 7th Avenue Road City: Ocala State: FL Zip Code: 34471 Phone Number: 210-478-7070 Alternate Phone Number: \_\_\_\_\_\_ Email Address: thomasljohnson@me.com Fax Number: Ocala Electric Utility Customer Account Number: 566748-150716 2. RGS Facility Information Facility Location: 4996 SW 7th Ave. Rd. Ocala, Fl. 34471 Ocala Electric Utility Customer Account Number: 566748-150716 RGS Manufacturer: Hanwha QCells America, Inc. Manufacturer's Address: 400 Spectrum Center Drive Suite 1400 Irvine, CA 92618 Reference or Model Number: Q.PEAKDUO-BLKML-G10+(410W)60 Modules Telsa PW-3 Serial Number: \_\_\_\_\_\_

(Continued on Sheet No.19.1)

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

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

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

### 3. Facility Rating Information

Gross Power Rating: 20.9kWac ("Gross power rating" means the total manufacturer's AC nameplate generating capacity of an on-site customer-owned renewable generation system that will be interconnected to and operate in parallel with Ocala Electric Utility's distribution facilities. For inverter-based systems, the AC nameplate generating capacity shall be calculated by multiplying the total installed DC nameplate generating capacity by 0.85 in order to account for losses during the conversion from DC to AC.)

Fuel or Energy Source: Solar PV

Anticipated In- Service Date: 4/13/25

### 4. Application Fee

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

### 5. Interconnection Study Fee

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

### 6. Required Documentation

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

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

(Continued on Sheet No. 19.2)

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

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

Effective: October 1, 2019

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 3<sup>rd</sup> 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: Thomas L Johnson II	Date:	3/20/25
(Print Name)		
Hohn IP		
(Signature)		
<u> </u>		

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 t	his
20th day of March, 20_25, by and between the Florida Municipal Power Agency,	a
governmental joint action agency created and existing under the laws of the State of Florida	
(hereinafter "FMPA"), the City of Ocala doing business as Ocala Electric Utility, a body pe	olitic
(hereinafter "OEU"), and Thomas L Johnson II , a 1	retail
electric customer of OEU (hereinafter "Customer").	

### **Section 1. Recitals**

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

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

### **Section 2. Interconnection**

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

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

(Continued on Sheet No. 20.1)

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

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

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

### **Section 3. Metering**

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

### Section 4. Purchase of Excess Customer-Owned Renewable Generation

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

(Continued on Sheet No. 20.2)

Issued by: Michael Poucher, P.E. Effective: October 1, 2019

**Electric Utility Director** 

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

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

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

### **Section 5. Renewable Energy Credits**

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

### Section 6. Term and Termination

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

(Continued on Sheet No. 20.3)

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

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

### **Section 7. Miscellaneous Provisions**

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

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

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

7.04. 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. <u>Enforcement of Agreement</u>. In the event that either party is required to enforce this Agreement by court proceedings or otherwise, the prevailing party shall be entitled to recover all fees and costs incurred, including reasonable attorney's fees and costs for trial, alternative dispute resolution, and/or appellate proceedings.
- 7.06. 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)

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

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

City of Ocala Electric Utility	Florida Municipal Power Agency
By: Janie Mitchell	By: Obcustigned by:
Title: CFO	Title: Chief Sys Ops & Tech Officer
Date:	Date: 6/13/2025
Customer	Date: 3/20/25
By: Thomas L Johnson II (Print Name)	Date:
(Signature)	-
Customer's City of Ocala Electric Utility	Account Number: 566748-150716
Approved as to form and legality:	
Signed by: William E. Sexton	
William E. Sexton, Esq.	
City Attorney	

(Continued on Sheet No. 20.6)

Effective: October 1, 2019

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

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

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

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

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

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

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

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

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

### **II. Payment for Unused Excess Energy Credits**

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

Issued by: Michael Poucher, P.E. Effective: October 1, 2019

Electric Utility Director

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 <b>Agreement</b> is made and entered into	this <u>20th day</u> of <u>March</u> , 20 <u>25</u> , by and
between Thomas L Johnson II	, (hereinafter called "Customer"), located at
4996 SW 7th Avenue Rcin Oca	ala, 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: 4996 SW 7th A	ve. Rd. 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 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;

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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)

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)

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)

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. Effective: October 1, 2019

Electric Utility Director

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)

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. Effective: October 1, 2019

Electric Utility Director

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 nongenerating 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)

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

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

Effective: October 1, 2019

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

ous:	Customer:
By:	By: Thomas L Johnson II (Print Name)
Title: CFO	(Simple A)
Date: 6/13/2025	Date: 3/20/21
	City of Ocala Electric Utility Account Number: 566748-150716
Approved as to form and legality:	
Signed by: William E. Sexton	_
William E. Sexton, Esq.	
City Attorney	

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



USAA 01609 79 40 70U DM-03037

### UNITED SERVICES AUTOMOBILE ASSOCIATION (A Reciprocal Interinsurance Exchange) 9800 Fredericksburg Road, San Antonio, Texas 78288

### PERSONAL UMBRELLA POLICY DECLARATIONS - Amended

Policy Number: USAA 01609 79 40 70U

Effective: From 03/19/2025 to 06/30/2025

(12:01 A.M. standard time at Umbrella Base Location)

Named Insured and Mailing Address:

Thomas L Johnson 4996 SW 7TH AVEN

4996 SW 7TH AVENUE RD OCALA FL 34471-7472

Umbrella Base Location: 4996 Sw 7th Avenue Rd Ocala, Marion, FL 34471

Premium	<u>Limit</u> (per occurrence)	
\$1,066.16	\$3,000,000	Umbrella Liability
\$10.66	GA Recoupment	FIC
\$1.076.82	Total	

PREMIUM DUE AT INCEPTION

SCHEDU	LE OF UNDERLYING II	NSURANCE RED MINIM	UM LIN	AITS TO STANK
TYPE OF INSURANCE	Bodily Injury	<u>Property</u> <u>Damage</u>	OR	Combined Single Limit
Private Passenger Vehicle Liability Miscellaneous Vehicle Liability	\$300,000/\$500,000 \$250,000/\$500,000	\$100,000 \$100,000	OR OR	\$500,000 \$500,000
Personal Liability Watercraft/Pers Watercraft Liability				\$300,000 \$300,000

USAA requires you to maintain NO LESS THAN the above REQUIRED MINIMUM LIMITS. See the Required Minimum Insurance Condition in your policy.

Please verify your actual limits and exposures on the attached Supplemental Declarations.

Your umbrella policy premium includes \$177.69 because of an accident.

This policy does not provide Uninsured Motorists Coverage.

ADJUSTMENT REASON(S):

Add property

Countersigned by Agent

Mina J. Valpis

Mina Vulpis

In WITNESS WHEREOF, the Subscribers at UNITED SERVICES AUTOMOBILE ASSOCIATION have caused these presents to be signed by their Attorney-in-Fact on this date 03/18/2025.

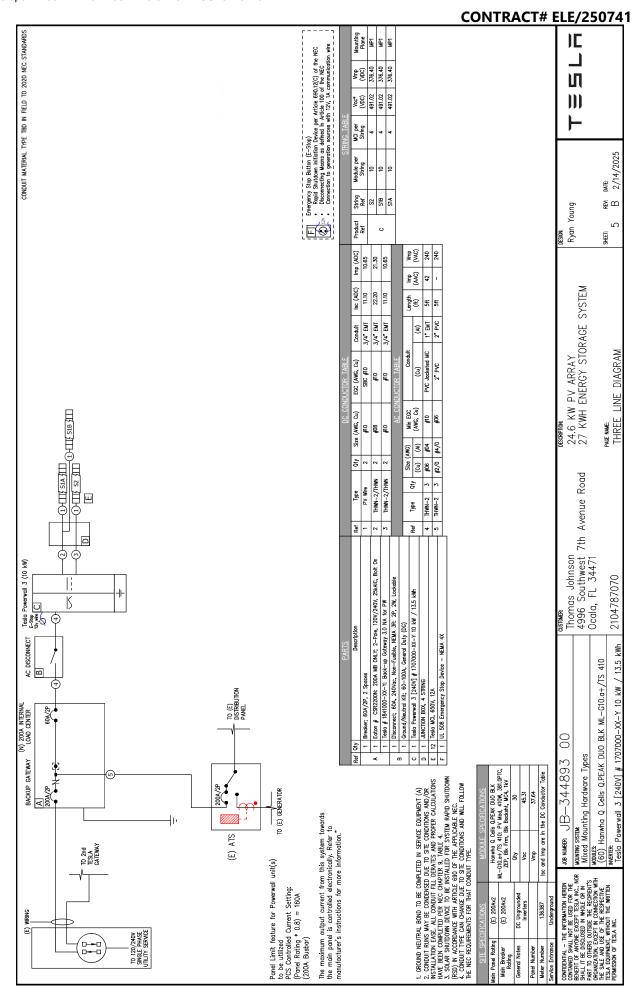
Wayne Peacock

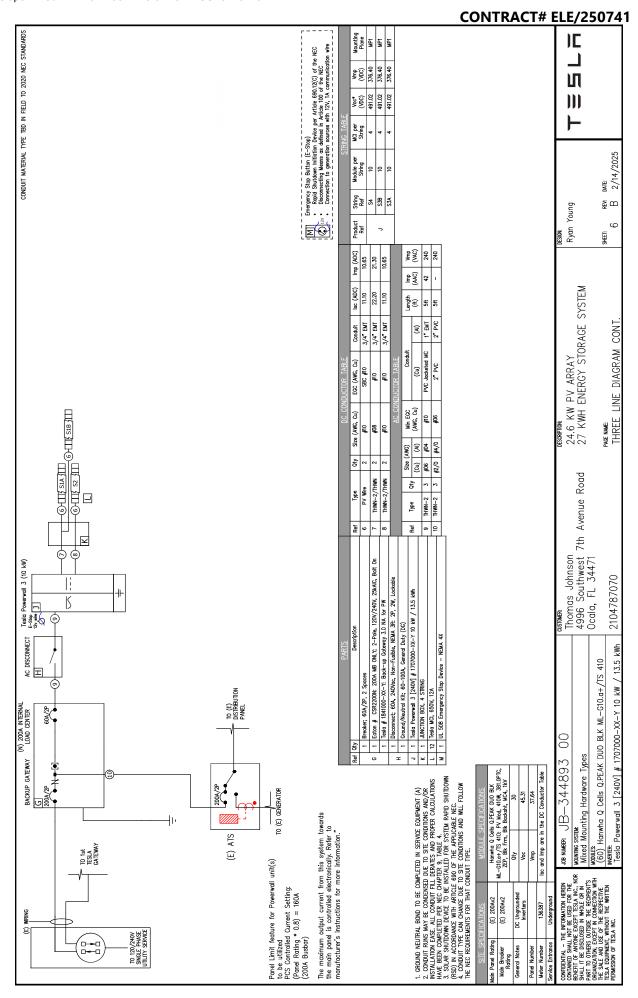
Wayne Peres

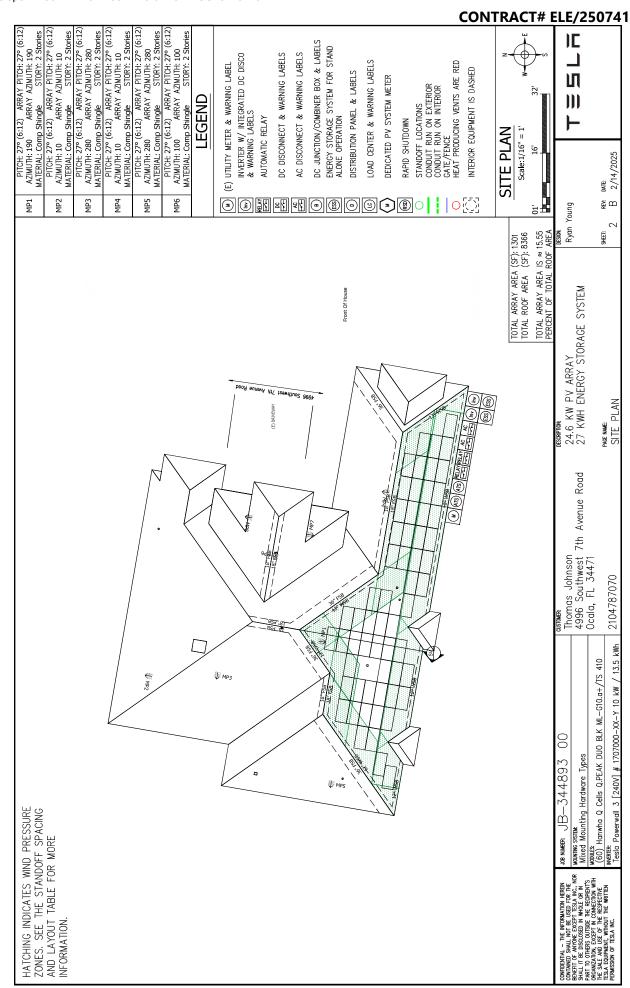
President, USAA Reciprocal Attorney-in-Fact, Inc.

PU2009D (05-13)

89853-0513 Page 1 of 2







### Powerwall 3

## Power Everything

own energy while participating in grid services. Once installed, customers can manage their system using the Tesla App to Customers can receive whole home backup, cost savings, and energy independence by producing and consuming their Powerwall 3 is a fully integrated solar and battery system, designed to accelerate the transition to sustainable energy. customize system behavior to meet their energy goals.

future needs. Powerwall 3 is designed for fast and efficient installations, modular system expansion, and simple connection to homes. Powerwall 3 Expansions make it easier and more affordable to scale up customers' systems to meet their current or Powerwall 3 achieves this by supporting up to 20 kW DC of solar and providing up to 11.5 kW AC of continuous power per unit. It has the ability to start heavy loads rated up to 185 LRA, meaning a single unit can support the power needs of most any electrical service.



## Powerwall 3 Technical Specifications

Model Number	Nominal Grid Vo
System Technical	=

Nominal Grid Voltage (Input & Output)	120/240 VAC	0		
Grid Type	Split phase			
Frequency	2H 09			
Nominal Battery Energy	13.5 kWh AC	ح.		
Nominal Output Power (AC)	5.8 kW	7.6 kW	10 kW	11.5 kW
Maximum Apparent Power	5,800 VA	7,600 VA	10,000 VA	11,500 VA
Maximum Continuous Current	24 A	31.7 A	41.7 A	48 A
Overcurrent Protection Device <sub>2</sub>	30 A	40 A	60 A	60 A
Configurable Maximum Continuous Discharge Power Off-Grid (PV Only, -20°C to 25°C)	15.4 kW <sub>3</sub>			
Maximum Continuous Charge Current / Power (Powerwall 3 only)	20.8 A AC / 5 kW	5 kW		
Maximum Continuous Charge Current / Power (Powerwall 3 with up to (3) Expansion units)	33.3 A AC / 8 kW	8 kW		
Output Power Factor Rating	0 - 1 (Grid C	0 - 1 (Grid Code configurable)	le)	
Maximum Output Fault Current (1s)	160 A			
Maximum Short-Circuit Current Rating	10 kA			
Load Start Capability	185 LRA			
Solar to Battery to Home/Grid Efficiency	89%14			
Solar to Home/Grid Efficiency	97.5% 5			
Power Scalability	Up to 4 Pow	Up to 4 Powerwall 3 units supported	upported	
Energy Scalability	Up to 3 Expa	nsion units (fo	Up to 3 Expansion units (for a maximum total of 7 units)	tal of 7 units)
Supported Islanding Devices	Gateway 3, F	Sackup Switch,	Gateway 3, Backup Switch, Backup Gateway 2	ay 2
Connectivity	Wi-Fi (2.4 ar	id 5 GHz), Ethe	Wi-Fi (2.4 and 5 GHz), Ethernet, Cellular (LTE/4G $_{\wp}$ )	TE/4G <sub>e</sub> )
Hardware Interface	Dry contact and 2-pin co	Dry contact relay, Rapid Shutdown (RSD) and 2-pin connector, RS-485 for meters	Dry contact relay, Rapid Shutdown (RSD) certified switch and 2-pin connector, RS-485 for meters	ertified switch
AC Metering	Revenue Gra	Revenue Grade (+/- 0.5%, ANSI C12.20)	ANSI C12.20)	
Protections	Integrated a Monitor Inte Tesla Mid-Ci	o fault circuit i rupter (IMI), P' rcuit Interrupte	nterrupter (AFC V Rapid Shutdo ers	Integrated arc fault circuit interrupter (AFCI), Isolation Monitor Interrupter (IMI), PV Rapid Shutdown (RSD) using Tesla Mid-Circuit Interrupters
Customer Interface	Tesla Mobile App	Арр		
Warranty	10 years			

Values provided for 25°C (77°F), at beginning of life. 3.3 kW charge/discharge power.

- 35ee Powervall 3 Installation Manual for fuse requirements if using fuse for overcurrent protection.

If enabling the 15.4 kW off-grid maximum continuous discharge power, Powervall 3 must be installed with an 80 A breaker and appropriately sized conductors.

<sup>4</sup>Typical solar shifting use case.

<sup>5</sup> Tested using CEC weighted efficiency methodology.

<sup>o</sup> The customer is expected to provide internet connectivity for Powerwall 3; cellular should not be used as the primary mode of connectivity. Cellular connectivity subject to network operator service coverage and signal strength.

2024

Floor or wall mount

 $^{\rm g}{\mbox{These}}$  dimensions include the glass front cover being installed on Powerwall 3.

 $1105 \times 609 \times 193 \text{ mm} (43.5 \times 24 \times 7.6 \text{ in})_{\text{g}}$ 

Powerwall 3 Technical Specifications

132 kg (291.2 lb) 124 kg (272.5 lb)

Total Weight of Installed Unit

Mechanical Specifications Weight of Powerwall 3
Weight of Glass Front Cover
Weight of Wall Bracket

Mounting Options

6.5 kg (14.5 lb) 1.9 kg (4.2 lb) °°.

-

1105

### CONTRACT# ELE/250741

## Powerwall 3 Technical Specifications

Maximum	S Withstan	
Solar Technical	Specifications	

Maximum Solar STC Input	20 kW
Withstand Voltage	600 V DC
PV DC Input Voltage Range	60 — 550 V DC
PV DC MPPT Voltage Range	60 — 480 V DC
MPPTs	9
Maximum Current per MPPT (I <sub>mp</sub> )	13 A <sup>7</sup>
Maximum Short Circuit Current per MPPT (1 <sub>cc</sub> )	15 A <sup>7</sup>

<sup>?</sup>Where the DC input current exceeds the MPPT rating, a jumper can be used to combine two MPPTs into a single input to intake DC current up to 26 A I<sub>8</sub> / 30 A I<sub>8</sub> .

Environmental Specifications

Operating Temperature	-20°C to 50°C (-4°F to 122°F)8
Operating Humidity (RH)	Up to 100%, condensing
Storage Temperature	$-20^{\circ}$ C to $30^{\circ}$ C ( $-4^{\circ}$ F to $86^{\circ}$ F), up to 95% RH, noncondensing, State of Energy (SOE): 25% initial
Maximum Elevation	3000 m (9843 ft)
Environment	Indoor and outdoor rated
Enclosure Rating	NEMA 3R
Ingress Rating	IP67 (Battery & Power Electronics) IP55 (Wing Compartment)
Pollution Rating	PD3
Operating Noise @ 1 m	< 50 db(A) typical < 62 db(A) maximum

<sup>&</sup>lt;sup>8</sup> Performance may be de-rated at operating temperatures above 40°C (104°F).

# 193 # E

609 mm

Compliance Information

Certifications	UL 1741, UL 9540, UL 9540A, UL 3741, UL 1741 PCS, UL 1741 SB, UL 1973, UL 189B, UL 1998, CSA C22.2 No. 108, CSA C22.2 No. 1071, CSA C22.2 No. 300, CSA 22.3 No. 9, IEEE 1547, IEEE 1547A, IEEE 15471, CA Rule No.21
Grid Connection	United States and Canada
Emissions	FCC Part 15 Class B, ICES 003
Environmenta	RoHS Directive 2011/65/EU
Seismic	AC156, IEEE 693-2005 (high)
Fire Testing	Meets the unit level performance criteria of UL 9540A

Powerwall 3 Datasheet

Powerwall 3 Datasheet

## Q.PEAK DUO BLK ML-G10+ SERIES

385-415Wp | 132Cells 21.0% Maximum Module Efficiency

MODEL Q.PEAK DUO BLK ML-G10+/TS





## Q.PEAK DUO BLK ML-G10+ SERIES

### Mechanical Specification

		45.27 (1500 mm)
Format	74.4 in × 41.2 in × 1.57 in (including frame) (1890 mm × 1046 mm × 40 mm)	4 of Cartonistic points is 0.00° H mm?
Weight	51.8 lbs (23.5 kg)	- Prome
Front Cover	0.13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology	
Back Cover	Composite film	<b>→</b>
Frame	Black anodised aluminium	044 SQ2/2/25 <
Cell	6 × 22 monocrystalline Q.ANTUM solar half cells	CALADO GENEVO - 8
Junction box	2.09-3.98 in x 1.26-2.36 in x 0.59-0.71 in (53-101 mm x 32-60 mm x 15-18 mm), IP67, with bypass diodes	4 - Feature points points (SY's 37 Générie 38 mg
Cable	4 mm² Solar cable; (+) ≥ 52.2 in (1325 mm), (→) ≥ 52.2 in (1325 mm)	I CALANTANA CANANA CANA
Connector	Stäubli MC4: IP68	The Column I

0	
385	
390	
305	
400	
405	

410 415

### ■ Electrical Characteristics

u	POWER at MIPP	Рин	<u>×</u>	385	330	395	400	405	410
	Short Circuit Current	_×	K	11.04	11.07	11.10	11.14	11.17	11.20
ınu	Open Circuit Voltage	× ×	Σ	45.19	45.23	45.27	45.3	45.34	45.37
Jiuil	Current at MPP	ddM	Ā	10.59	10.65	10.71	10.77	10.83	10.89
N	Voltage at MPP	V <sub>MPP</sub>	Ξ	36.36	36.62	36.88	37.13	37.39	37.64
	Efficiency'	c	[96]	≥ 19.5	≥ 19.7	≥ 20.0	≥ 20.2	≥ 20.5	≥ 20.7
	0071	•	CAAO	0 000	2000	0,000	. 000	0 000	3.500
	rower at MPP	ANN.	2	0.002	0.767	5.052	200.1	202.0	207.00
uir	Short Circuit Current	<u>x</u>	[¥]	8.90	8.92	8.95	8.97	9.00	9.03
ıwı	Open Circuit Voltage	ν.	Σ	42.62	42.65	42.69	42.72	42.76	42.79
лw	Current at MPP	delle	A	8.35	8.41	8.46	8.51	8.57	8.62
	Voltage at MPP	V <sub>MPP</sub>	Ξ	34.59	34.81	35.03	35.25	35.46	35.68

Q.ANTUM DUO Z Technology with zero gap cell layout boosts module efficiency up to 21.0%.

Breaking the 21% efficiency barrier

Inclusive 25-year product warranty and 25-year linear performance warranty<sup>1</sup>.

A reliable investment

25 Warranty

Long-term yield security with Anti LeTID Technology, Anti PID Technology² and Hot-Spot Protect.

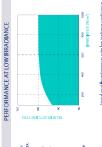
**Enduring high performance** 

415 11.23 45.41 10.95 37.89 221.0

311.3 9.05 42.83 8.68 35.89

## Qcells PERFORMANCE WARRANTY





TEMPERATURE COEFFICIENTS

Nominal Module Operating Temperature Temperature Coefficient of  $V_{\infty}$ +0.04

-0.27 109±5.4 (43±3°C)

[36/K] J. Class II TYPE 2 —40°F up to +185°F (—40°C up to +85°C)

a [%/K] ■ Properties for System Design

Temperature Coefficient of P

Ocells is the first solar module manufacturer to pass the most comprehensive quality programme in the industry: The new 'Quality Controlled PV' of the independent certification institute TUV Rienihand.

See data sheet on rear for further information.

APT test conditions according to IEC/TS 62804-1.

1000 (EC)/1000 (UL) PV module dassification
20 Fire Rating based on ANSI/UL 61730
(4090Pa/85 (4090Pa) Permitted Module Temperature
51 years 1728 (4130Pa) on Continuous Duty 85 (4080Pa) /85 (4080Pa) 128 (6120Pa) /128 (6120Pa)

[M] [A DC] [Bs/ft<sup>2</sup>] [bs/ft<sup>2</sup>]

Maximum System Voltage Maximum Series Fuse Rating

## ■ Qualifications and Certificates

UL61730-1 & UL61730-2, CE-compliant, Quality Controlled PV - TÜV Rheinland, IEC 61215:2016, IEC 61730:2016, U.S. Patent No. 9,893,215 (solar cells),





\*Contact your Qcells Sales Representative for details regarding the module's eligibility to be Buy Am

acells



Optimal yields, whatever the weather with excellent low-light and temperature behaviour.

Innovative all-weather technology

High-tech black Zep CompatibleTM frame, for improved aesthetics, easy installation and increased safety.

The most thorough testing programme in the industry

 $\bigcirc$ 

Zep compatible<sup>TM</sup> frame design







TÜVRI Gelev TÜVRI Gelevi GETTÜTE









**Certificate Of Completion** 

Envelope Id: 86F21AF5-7A98-4F23-94D3-DACCF8213723

Subject: SIGNATURE: Net-Metering Agreement - Thomas Johnson II (ELE/250741)

Source Envelope:

Document Pages: 26 Signatures: 5

Initials: 0 Certificate Pages: 5

AutoNav: Enabled

Envelopeld Stamping: Enabled

Time Zone: (UTC-05:00) Eastern Time (US & Canada)

**Envelope Originator:** 

Status: Completed

April Adolf

110 SE Watula Avenue

City Hall, Third Floor Ocala, FL 34471 aadolf@ocalafl.gov

IP Address: 172.56.75.181

**Record Tracking** 

Status: Original

6/10/2025 4:20:42 PM

Security Appliance Status: Connected

Storage Appliance Status: Connected

Holder: April Adolf

aadolf@ocalafl.gov

Pool: StateLocal

Pool: City of Ocala - Procurement & Contracting

Location: DocuSign

Location: Docusign

**Signer Events** 

William E. Sexton wsexton@ocalafl.gov

City Attorney

Security Level: Email, Account Authentication

(None)

Signature Signed by:

> William E. Sexton 4A55AB8A8ED04F3.

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

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**Electronic Record and Signature Disclosure:** 

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ID: 313dc6f2-e1d0-44c3-8305-6c087d6cdf0b

Janice Mitchell

jmitchell@Ocalafl.org

**CFO** 

City of Ocala

Security Level: Email, Account Authentication

(None)

Janice Mitchell

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

Sent: 6/13/2025 3:53:00 PM Viewed: 6/13/2025 3:55:37 PM Signed: 6/13/2025 3:57:20 PM

**Electronic Record and Signature Disclosure:** 

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ID: aaa5fff3-251c-4f8a-843e-2158416affac

Chris Gowder

chris.gowder@fmpa.com Chief Sys Ops & Tech Officer

Security Level: Email, Account Authentication

(None)

087F58EBB34B474..

DocuSigned by:

Signature Adoption: Uploaded Signature Image

Using IP Address:

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**Electronic Record and Signature Disclosure:** 

Accepted: 6/13/2025 3:57:55 PM

ID: 2716c6e0-7a13-444f-9cd4-3bd321741540

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 Summary Events Envelope Sent	Status Hashed/Encrypted	<b>Timestamps</b> 6/10/2025 4:37:01 PM
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Envelope Sent	Hashed/Encrypted	6/10/2025 4:37:01 PM
Envelope Sent Certified Delivered	Hashed/Encrypted Security Checked	6/10/2025 4:37:01 PM 6/13/2025 3:57:55 PM
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### Consequences of changing your mind

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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.

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

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

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

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

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To 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.

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- You can access and read this Electronic Record and Signature Disclosure; and
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- 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.