

230174

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: Maria Pagan

Mailing Address: 3117 SE 24th Terrace

City: Ocala State: FL Zip Code: 34471

Phone Number: 787-637-8255 Alternate Phone Number: _____

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

Ocala Electric Utility Customer Account Number: Maria Pagan

2. RGS Facility Information

Facility Location: 3117 SE 24th Terrace, Ocala, FL 34471, USA

Ocala Electric Utility Customer Account Number: 548321235269

RGS Manufacturer: Jinko Solar

Manufacturer's Address: _____

Reference or Model Number: JKM410M-72HL-V

Serial Number: _____

(Continued on Sheet No.19.1)

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

Effective: October 1, 2019

MP

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: 15.580 Kw ("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: Monophotovoltaic panels

Anticipated In- Service Date: 10/20/2022

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)

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

Effective: October 1, 2019

MP

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.

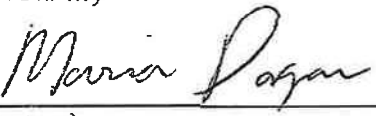
C. Proof of insurance in the amount of:

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

Customer

By: Maria Pagan
(Print Name)

Date: 12/21/2022


(Signature)

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

Effective: October 1, 2019



CITIZENS PROPERTY INSURANCE CORPORATION
301 W BAY STREET, SUITE 1300
JACKSONVILLE FL 32202-5142

Homeowners HO-3 Special Form Policy - Declarations

POLICY NUMBER: 07532413 - 1 **POLICY PERIOD:** FROM 06/30/2022 TO 06/30/2023
at 12:01 a.m. Eastern Time at the Location of the Residence Premises

Transaction: NEW BUSINESS

Named Insured and Mailing Address:	Location Of Residence Premises:	Agent: Fl. Agent Lic. #: W485294
First Named Insured:	3117 SE 24TH TER	GOOSEHEAD INSURANCE AGENCY, LLC
Marla Incle	OCALA FL 34471-0728	NICHOLAS VAZQUEZ
3117 SE 24TH TER	County: MARION	8177 GLADES RD STE 6
OCALA, FL 34471		BOCA RATON, FL 33434
		Phone Number: 561-237-5814
		Citizens Agency ID#: 31259

Primary Email Address:
PaganIncle@yahoo.com

Additional Named Insured: Please refer to "ADDITIONAL NAMED INSURED(S)" section for details

Coverage is only provided where a premium and a limit of liability is shown

All Other Perils Deductible: \$1,000

Hurricane Deductible: \$6,968 (2%)

SECTION I - PROPERTY COVERAGES

A. Dwelling :	\$348,400
B. Other Structures:	\$6,970
C. Personal Property:	\$90,000
D. Loss of Use:	\$34,840

SECTION II - LIABILITY COVERAGES

E. Personal Liability:	\$1,000,000	\$16
F. Medical Payments:	\$2,000	INCLUDED

OTHER COVERAGES

Personal Property Replacement Cost	Included	\$141
Ordinance or Law Limit (25% of Cov A)	(See Policy)	Included

SUBTOTAL: \$1,980

Florida Hurricane Catastrophe Fund Build-Up Premium: \$26

Premium Adjustment Due To Allowable Rate Change: (\$420)

MANDATORY ADDITIONAL CHARGES:

2022 Florida Insurance Guaranty Association (FIGA) Regular Assessment	\$11
Emergency Management Preparedness and Assistance Trust Fund (EMPA)	\$2
Tax-Exempt Surcharge	\$28

TOTAL POLICY PREMIUM INCLUDING ASSESSMENTS AND ALL SURCHARGES: \$1,627

The portion of your premium for:

Hurricane Coverage is \$496

Non-Hurricane Coverage is \$1,090

Authorized By: NICHOLAS VAZQUEZ

Processed Date: 07/07/2022

DEC HO3 12 19	First Named Insured	Page 1 of 4
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CITIZENS PROPERTY INSURANCE CORPORATION
 301 W BAY STREET, SUITE 1300
 JACKSONVILLE FL 32202-5142

Homeowners HO-3 Special Form Policy - Declarations

Policy Number: 07532413 - 1

POLICY PERIOD: FROM 06/30/2022 TO 06/30/2023

First Named Insured: Maria Inle

at 12:01 a.m. Eastern Time at the Location of the Residence Premises

Forms and Endorsements applicable to this policy:

CIT 24 07 08, IL P 001 01 04, CIT HO 01 09 06 22, CIT 04 90 01 13, CIT 04 85 02 21, CIT 04 86 02 21, CIT HO-3 02 22, CIT 04 96 02 16

Rating/Underwriting Information			
Year Built:	2003	Protective Device - Burglar Alarm:	No
Town / Row House:	No	Protective Device - Fire Alarm:	No
Construction Type:	Masonry	Protective Device - Sprinkler:	None
BCEGS:	02	No Prior Insurance Surcharge:	No
Territory / Coastal Territory:	792 / 00	Terrain:	B
Wind / Hail Exclusion:	No	Roof Cover:	N/A
Municipal Code - Police:	695	Roof Cover - FBC Wind Speed:	Unknown
Municipal Code - Fire:	695	Roof Cover - FBC Wind Design:	Unknown
Occupancy:	Owner Occupied	Roof Deck Attachment:	Unknown
Use:	Primary	Roof-Wall Connection:	Unknown
Number of Families:	1	Secondary Water Resistance:	Unknown
Protection Class:	2	Roof Shape:	Unknown
Distance to Hydrant (ft.):	500	Opening Protection:	Unknown
Distance to Fire Station (mi.):	2		

00018164002568004004

A premium adjustment of (\$507) is included to reflect the building's wind loss mitigation features or construction techniques that exists.

A premium adjustment of (\$53) is included to reflect the building code effectiveness grade for your area. Adjustments range from a 2% surcharge to a 13% credit.

ADDITIONAL NAMED INSURED(S)	
Name	Address
No Additional Named Insureds	

ADDITIONAL INTEREST(S)		
#	Interest Type	Name and Address
1	1st Mortgagee	UNITED WHOLESALE MORTGAGE LLC ISAOA ATIMA PO BOX 202028 FLORENCE, SC 29502-2028
		Loan Number 1222365210





Inverter Type: (38) Enphase IQ7PLUS-72-2-US
PV Panel: (38) JKM410M-72HL-V
Racking: Sunmodo
Total Watlage: 15,580W DC
Roof Type: Composition Shingles
Wind Load: 21 to 27 Deg
Fastener Type: Use Sunmodo NanoMounts

Sheet Index

- S-1 Cover Sheet / Site Plan
- S-2 Detail
- E-1 One - Line
- E-2 Electrical Code
- S-1A Mounting Plan

General Notes:

- Enphase IQ7PLUS-72-2-US Micro Inverters are located on roof behind each module.
- First responder access maintained and from adjacent roof.
- Wire run from array to connection is 40 feet.



7575 Kingspointe Pkwy Unit #4
Orlando, FL 32819
321-888-3388

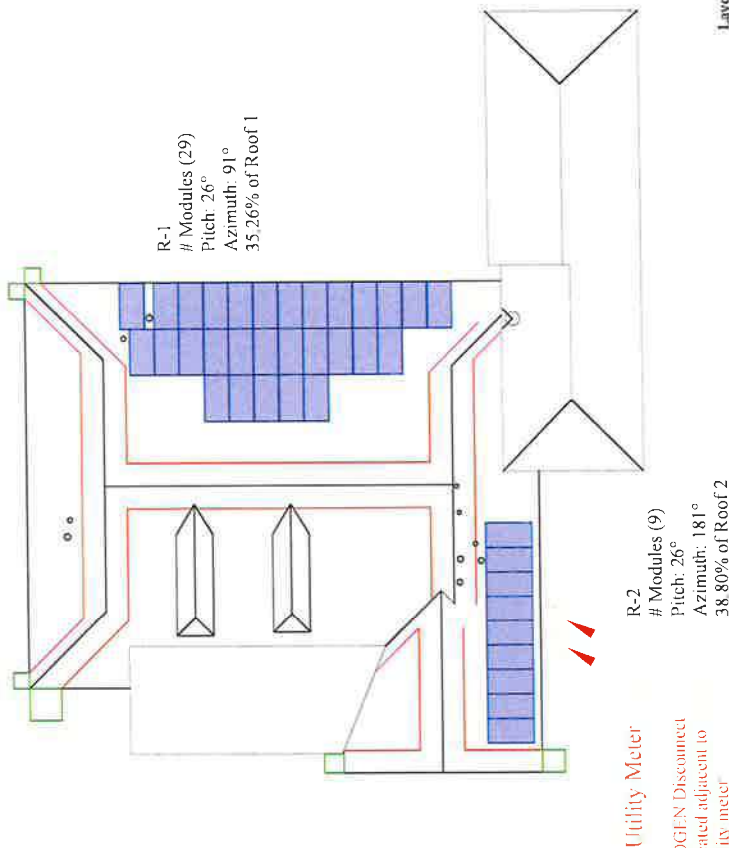
Legend

- Ground Access
- Utility Meter
- PV Disconnect

1'-6" First responder access

- Chimney
- Satellite
- Vent Pipe

FRONT OF HOUSE



Utility Meter
-COGEN Disconnect
located adjacent to
Utility meter

R-2
Modules (9)
Pitch: 26°
Azimuth: 181°
38.80% of Roof 2

R-1
Modules (29)
Pitch: 26°
Azimuth: 91°
35.26% of Roof 1

System meets the requirements of NFPA 70th Edition, Chapter 11.12

Install will be done to Manufacturer Spec

Meets All Editions of Florida Fire Prevention Code 2020 7th Edition
Meets all requirements of NFPA-1 7th Edition and NFPA-101

3' Access Pathway
1st Responder Access
minimum of 36" unobstructed as per
Section R324 of the 2020 IRC

Represents all Fire Clearance
including Alternative methods

Meets the requirements of the following- (2020 FL Residential Code & FBC, 7th Edition (2020 International Residential Code) - 2nd Printing modified by the FL Building Standards, 2020 Florida Building Energy Conservation Code 7th edition, City of Ocala Code, 2017 National Electric Code.)

Layout Subject to Change Based on Site Conditions

Donnie C
Godwin
2022.12.2
8
11:25:56
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Godwin Engineering and
Design, LLC
8378 Foxtail Loop
Pensacola, FL 32526
D. Chad Godwin, PE
Chad@godwineng.com

Date: 8/16/2022
Drawn by: MB
Revised by: NG
Rev #: 01
Rev Date: 12/27/2022
Page: 11"x17" S-1

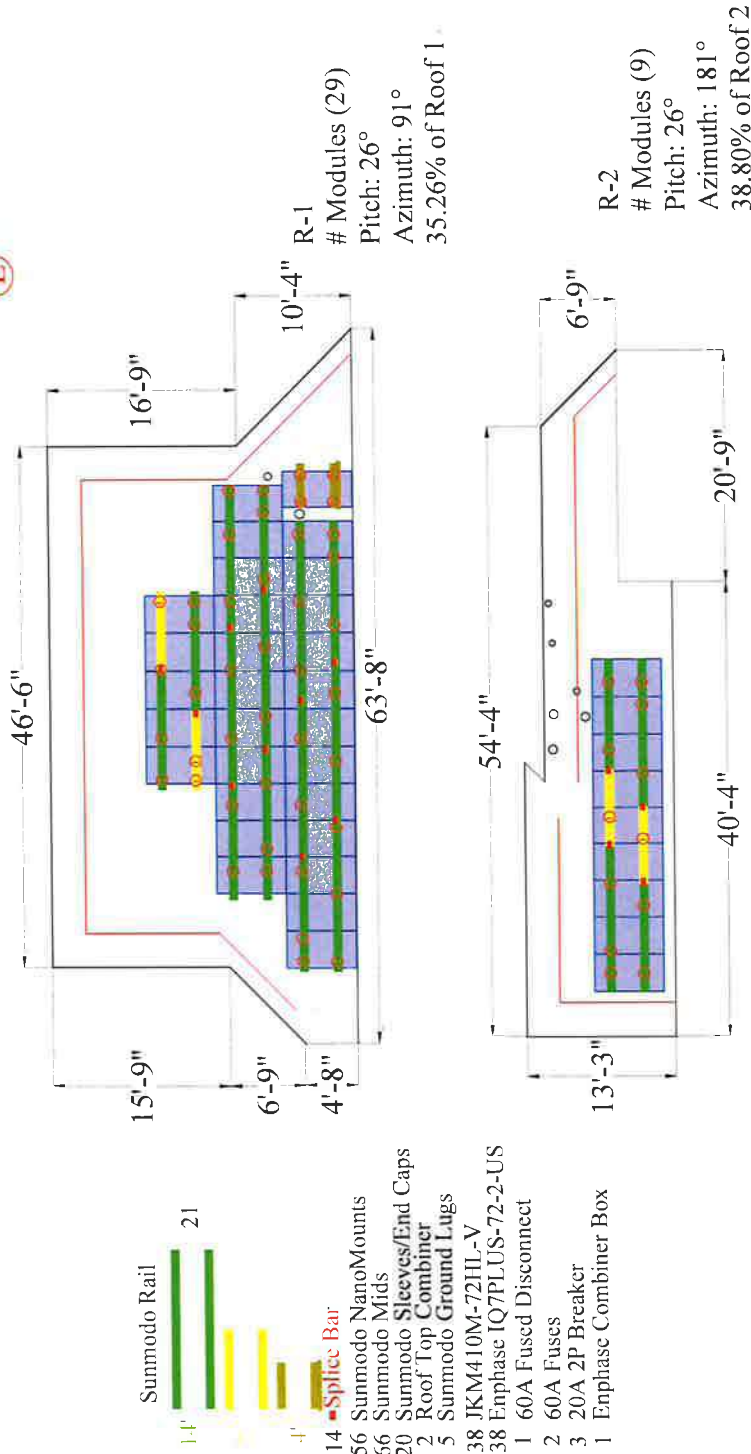
Customer Info:

Maria Pagan
3117 SE 24th Terrace
Ocala, FL
34471



Compass for Aerial

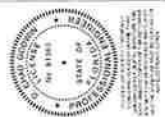
Proposed Mounting locations



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

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

Jonnie C Godwin
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7575 Kingspointe Pkwy Unit #4
Orlando, FL 32819
321-888-3388

Date:	8/16/2022
Drawn by:	MB
Revised by:	NG
Rev #:	01
Rev Date:	12/27/2022
Page:	11"x17" S-1A

Customer Info:

Maria Pagan
3117 SE 24th Terrace
Ocala, FL
34471

Inverter Type: (38) Enphase IQ7PLUS-72-2-US
PV Panel: (38) JKM410M-72HL-V
Racking: Sunmodo
Total Wattage: 15,580W DC
Roof Type: Composition Shingles
Wind Load: 21 to 27 Deg
Fastener Type: Use Sunmodo NanoMounts

- Zone 1: Max cantilever is 24" as per manufacturer spec.
Max Cantilever = $\text{Max Span} \times \left(\frac{1}{3}\right) = 72" \times \left(\frac{1}{3}\right) = 24"$
- Zone 2e: Max cantilever is 24" as per manufacturer spec.
Max Cantilever = $\text{Max Span} \times \left(\frac{1}{3}\right) = 72" \times \left(\frac{1}{3}\right) = 24"$
- Zone 2n: Max cantilever is 16" as per manufacturer spec.
Max Cantilever = $\text{Max Span} \times \left(\frac{1}{3}\right) = 48" \times \left(\frac{1}{3}\right) = 16"$
- Zone 2r: Max cantilever is 16" as per manufacturer spec.
Max Cantilever = $\text{Max Span} \times \left(\frac{1}{3}\right) = 48" \times \left(\frac{1}{3}\right) = 16"$
- Zone 3e: Max cantilever is 16" as per manufacturer spec.
Max Cantilever = $\text{Max Span} \times \left(\frac{1}{3}\right) = 48" \times \left(\frac{1}{3}\right) = 16"$
- Zone 3r: Max cantilever is 16" as per manufacturer spec.
Max Cantilever = $\text{Max Span} \times \left(\frac{1}{3}\right) = 48" \times \left(\frac{1}{3}\right) = 16"$

Photovoltaics:
(38) JKM410M-72HL-V
Inverters:
(38) Enphase IQ7PLUS-72-2-US Micro Inverters
Circuits:
(2) circuits of (13) Modules
(1) circuit of (12) Modules
Maximum Inverters Per 20A Circuit (13)

Enphase IQ Trunk Cable
Q-12-240
#12AWG THHN-THWN-2
UL 9703

Grounding Conductor
to be bare #8 Awg

Roof

NEMA 3R
Junction Box
Rack - 12
Red - Line
Green - Ground

#10 AWG THWN for Home runs
(1) Line 1
(1) Line 2
(1) Ground
(1) GFC
Insulate @ least 3/4" Conduit (bbl on site)

EXISTING 2" DUCTWORK
DO NOT REMOVE IT
REMOVE 2" DUCTWORK AND
REPLACE WITH 1/2" DUCTWORK
AND GROUNDING CONDUCTOR

CT's Consumption

PHOTOVOLTAIC SYSTEM
AC DISCONNECT 1

Line Side Tap

Main Service Panel
150A Main

Manual Lockable Disconnect
Fused Disconnect
Neutral Ground Bond
AC Disconnect
60A Fuses

B

Enphase Combiner Box
(1) - 20A Breaker
Per Circuit
3 Circuits
10/15A Breaker for Fuses
Disconnect
Solar Combiner Box
#K-IQ-AM1-240

Enphase Output Ckt Per String	
To Overcurrent Protection Device	
AC Max Output Current	15.73
AC Max Output Current * 1.25%	19.7
Overcurrent Protection (A)	20
No. of Current Carrying Cond	<4
Conductor Gauge (AWG)	10
Enphase Total Output Ckt	
AC Max Output Current	45.98
AC Max Output Current * 125%	57.5
Overcurrent Protection (A)	60
No. of Current Carrying Cond	<4
Conductor Gauge (AWG)	6

	Conduit (in)	LLLN (Awg)	Ground (Awg)	DCPD
After Combiner	B	6	N/A	60
To Line Side Tap	C	6	N/A	60

Note:

-All wiring to meet the 2017 NEC and Florida electric codes.
60A Disconnect
-Type of conduit to be determined on site by contractor.

In Case of Emergency Call
SunLight Solar
at 321-888-3388

Including the label below

Meets 11.12.2.1.5

GROUNDING NOTES
- Ungrounded system per 690.4.1(A)(4)
- GFC must be installed per 250.64
- GFC must be continuous in-splined or inseparably spliced from the point to existing service ground as stem or continuous from the point to existing service ground system.
- GFC must be min #8 AWG and installed in conduit
- If GFC is not in conduit, it must be 46 mm
Disconnects will be Visible, lockable, adjacent to and within 10' of utility meter
All Labels & Markings for photovoltaic system will be reflective and meet all requirements for NFPA 11.1.2

Customer Info:

Maria Pagan
3117 SE 24th Terrace
Ocala, FL
34471

Date: 8/16/2022
Drawn by: MB
Revised by: NG
Rev #: 01
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Page: 11"x17" E-1

Inverter Type:
Enphase IQ7PLUS-72-2-US
PV Panel:
(38)
JKM410M-72HL-V
Total Voltage:
15.500V DC



7575 Kingspointe Pkwy Unit #4
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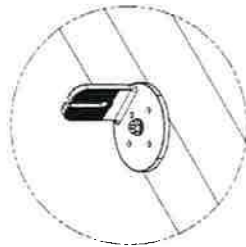
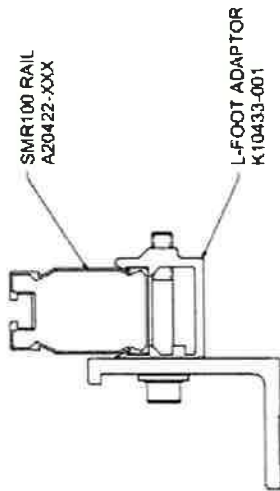
Godwin Engineering and Design, LLC
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Chad@godwineng.com

Donnie C Godwin
2022.12.28
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Labels to NEC 11.1.2.1.5 for conditions on site to match and have current device information. Labels are not needed if a tap box will be used for the installation and existing compliance.

- NEC LABEL NOTES
1. THE WARNING SIGN(S) OR LABEL(S) SHALL COMPLY WITH THE REQUIREMENTS OF THE 2017 NEC 11.1.2.1.5.
 2. LABELS SHALL BE INSTALLED FOR THE ENVIRONMENT WHERE THEY ARE INSTALLED.
 3. LABELS TO BE A MIN LETTER HEIGHT OF 3/8" AND PERMANENTLY AFFIXED.
 4. LABELS SHALL ALSO BE AFFIXED TO THE SPECIFIC EQUIPMENT OR THE AUTHORITY HAVING JURISDICTION.



NANO DECK MOUNT
K50053-BK3

NANO RAFTER MOUNT
K50053-BK1

General Notes:

- Sunmodo Nano Mount are secured to rafters @ 72" O.C. in Zone 1, @ 72" O.C. in Zone 2e, @ 48" O.C. in Zone 2n, @ 48" O.C. in Zone 2r, @ 48" O.C. in Zone 3e, & @ 48" O.C. in Zone 3r using 5/16" x 4.75" stainless steel Lag bolts.
- Subject roof has One layer.
- All penetrations are sealed.

General Notes: (Optional)

- Sunmodo Nano Mount are secured to plywood decking @ 48" O.C. in Zone 1, @ 48" O.C. in Zone 2e, @ 32" O.C. in Zone 2n, @ 32" O.C. in Zone 2r, @ 32" O.C. in Zone 3e, & @ 32" O.C. in Zone 3r using (4) #6.3mm x 76.2mm stainless steel Lag bolts.
- Subject roof has One layer.
- All penetrations are sealed.

Roof Section Pitch Roof Rafter and Spacing Overhang Notes:

R1-R2 6/12 2"x4" @ 24 O.C. 12" Truss

-Roof Height 15'
-Per 2020 FBC, the Roof Mounted PV System will be subject to the following design criteria:
Design Wind Speed(Vult) - 130mph 3 sec gust, Exposure Category - B
-Designed as per ASCE7-16

Inverter Type: (38)Enphase IQ7PLUS-72-2-US
PV Panel: (38) JKM410M-72HL-V
Racking: Sunmodo
Total Wattage: 15,580W DC
Roof Type: Composition Shingles
Wind Load: 21 to 27 Deg
Fastener Type: Use Sunmodo NanoMounts

Customer Info:

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Install will be done to Manufacturer Spec

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SunLight
Solar

7575 Kingspointe Pkwy Unit #4
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Page: 11"X17" S-2

System meets the grounding requirements of NEC 690.43

The Placard shall be permanently riveted, and shall be made of red, weatherproof hard plastic with engraved white block lettering

Rapid Shutdown Built in
Per Code NEC 690.12
In compliance with NEC 250.58, NEC 690.8, NEC 250.31, NEC 250.34(D)

Conductors have a minimum ampacity of 60 amperes lockable in the open position per code NEC 705.22(7) Per Code NEC 230.79(D)

Everything will be built to Code without all specifics labeled on plan System is in compliance with FFCP 1-11.12 7th Edition.

Smoke Detectors will be added as per FBC 553.883

All exterior equipment is a minimum of Nema-R3 Rated
All Interactive System(s) Points of interconnection with other sources shall be marked at an accessible location at the disconnecting means as a power source and with the rated ac output current and the nominal operating AC voltage. Per NEC 690.54

Disconnect means shall be provided for all disconnecting all ungrounded conductors that supply or pass through the building or structure Per Code 2017 NEC Section 225.31 & Section 225.32

E04. Construction documents specify PV system circuits installed on or in buildings include a rapid shutdown function that controls specific conductors in accordance with NEC article 690.12.

E05. These construction documents specify that a label is provided with the method to initiate rapid shut down per 690.12(4).

E06. Construction drawings specify buildings or structures with both utility service and a PV system, complying with NEC article 690.12 shall have a permanent plaque or directory including the following wording: "PHOTO VOLTALIC SYSTEM EQUIPPED WITH RAPID SHUTDOWN" as per NEC article 690.56 (C).

E07. Construction documents specify PV power circuit labels shall appear on every section of the wiring system that is separated by enclosures, walls, partitions, ceilings, or floors.

E08. Construction documents specify all warning sign(s) or label(s) shall comply with NEC article 110.21 (B). Label warning(s) shall adequately warn of the hazard. Labels shall be permanently affixed to the equipment, and Labels required shall be suitable for the environment



NEC 690.13

Install will be done to Manufacturer Spec.

Inverter Output CM	
Design Temperature(s)	94°F
Max Ambient Temperature(s)	87.5%
Temp Rating of Conductors (C)	75°C
Current Carrying	4
AC Max Output Current	40A
AC Max Output Current	50A
Overcurrent Protection(A)	60A
Amp Temp Correction Factor	0.94
Raceway Fill Adjustment Factor	100%
Wire Size(AWG)	6
Cond. Allowable Ampacity(A)	60A
Cond. Adjusted Ampacity(A)	60A
Amplitude Class 1 Per 690.8(B)(1)	PAN
Amplitude Class 2 Per 690.8(B)(2)	PAN

In compliance with 230.71

Combiner box in compliance Per Code NEC 705.12
3" 20A < 125A
*No other loads to be added

In Case of Emergency Call
SunLight Solar
at 321-888-3388

Apply to Main Disconnect
Permanent sticker added to disconnect

All Electrical Service Equipment shall be located at or above BEE-1" or 8.00' NAWD

Line Side Tap will be done in Main Service Panel adjacent to Utility Meter

All markings shall be reflective, Weather Resistant and suitable for the environment

Markings shall be set in with when forming with minimum 2" Capital 1 size.

Note:

-Subject PV Systems has been designed to meet the requirements of the NEC 2017, and those set forth by the Florida Solar Energy Center Certification. Including Maximum Number of Module Strings, Maximum number of modules per string, Maximum Output, Module Manufacturer and model number, inverter manufacturer and model number, as applicable.

NEC 705.10 A permanent plaque or directory, denoting the location of all electric power source disconnecting means on or in the premises, shall be installed at each service equipment location and at the location(s) of the system disconnect(s) for all electric power production sources capable of being interconnected. One sign required for each PV system.

Plans Satisfy NEC 250.54 & NEC 250.53(A)(2)

Including the label below

In Case of Emergency Call
SunLight Solar
at 321-888-3388

Customer Info:

Maria Pagan
3117 SE 24th Terrace
Ocala, FL
34471

WARNING PHOTOVOLTAIC POWER SOURCE



WARNING THIS SERVICE METER IS ALSO SERVED BY A PHOTOVOLTAIC SYSTEM 705.12(B)(3)

WARNING POWER SOURCE OUTPUT CONNECTION DO NOT RELOCATE THIS OVERCURRENT DEVICE 705.12(B)(2)(3)(b)

WARNING PHOTOVOLTAIC POWER SOURCE NEC 690.31 (G)(3)



Figure 690.56(C)(1)(a) Label for PV Systems that Shut down the array and the conductors leaving the array



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

Donnie C Godwin
2022.12.28
'00'06- 11:26:58



7575 Kingspointe Pkwy Unit #4
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Date: 8/16/2022
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Revised by: NG
Rev #1: 01
Rev Date: 12/27/2022
Page: 11"x17" E-2

Inverter Type: Emphase IQ7P/LIS-72-2-US
PV Panel: JKM41/0N/2H1-V
Total Watage: 15,580W DC



EAGLE 72HM G2

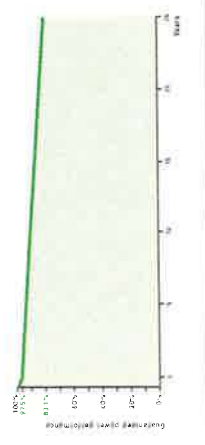
390-410 WATT • HALF CELL MONO PERC MODULE

Positive power tolerance of 0~+3%

- NYSE-listed since 2010, Bloomberg Tier 1 manufacturer
- Best-selling module globally for last 4 years
- Top performance in the strictest 3rd party labs
- 99.9% on-time delivery to the installer
- Automated manufacturing utilizing artificial intelligence
- Vertically integrated, tight controls on quality
- Premium solar panel factories in USA and Malaysia

LINEAR PERFORMANCE WARRANTY

25-Year Performance Warranty



- ISO 9001:2009 Quality Standard
- ISO 14001:2004 Environmental Standards
- IEC 61215, IEC 61701 certified products
- UL 680, UL 1703 certified products
- OHSAS 18001 Occupational Health & Safety Standards
- UL 1703 certified products

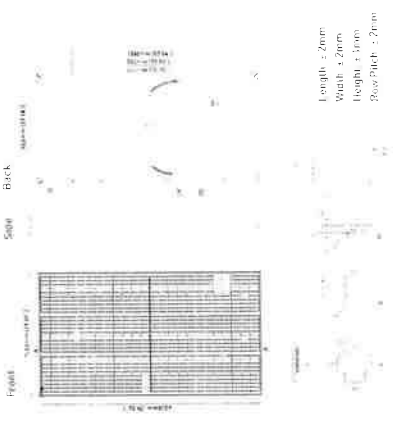
BUILDING YOUR TRUST IN SOLAR. JINKOSOLAR US

KEY FEATURES

- Diamond Half Cell Technology**
World-record breaking efficient mono PERC half cut solar cells deliver high power in a small footprint
- Designed for Long Life**
Uses the same DuPont protective film as the Space Station, Mars Lander, and Jettison's 25-year warranty
- Shade Tolerant**
Twin array design allows continued performance even with shading by trees or debris
- Power Boost in Cloudy Conditions**
A special film diffuses light, boosting performance even with shading by trees or debris
- Protected Against All Environments**
Certified to withstand humidity, frost, rain, marine environments, wind, hail, storms, and packed snow

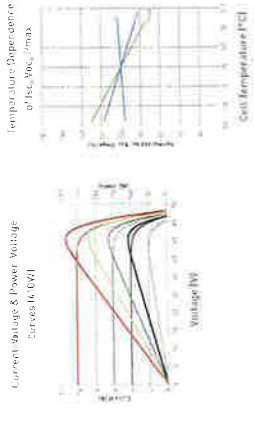
JINKO
SOLAR

ENGINEERING DRAWINGS



Length: 2280mm
Width: 1130mm
Height: 35mm
Rear Pitch: 2mm

ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE



MECHANICAL CHARACTERISTICS

Cells	Mono PERC Diamond Cell 115.8x158.75mm
No. of Half Cells	144 (6x24)
Dimensions	2008x1002x40mm 179.05x39.45x1.57in
Weight	22.5kg (49.6lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP67 Rated
Output Cables	12 AWG, 1400mm (55.12in) or Customized Length
Fire Type	Type 1
Pressure Rating	5400Pa (Snow) & 2400Pa (Wind)

TEMPERATURE CHARACTERISTICS

Temperature Coefficients of Pmax	-0.35%/°C
Temperature Coefficients of Voc	-0.29%/°C
Temperature Coefficients of Isc	0.048%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C

MAXIMUM RATINGS

Operating Temperature (Tc)	-40°C ~ +85°C
Maximum System Voltage	1500V DC (UL and IEC)
Maximum Series Fuse Rating	20A

PACKAGING CONFIGURATION

Two pallets = One Stack
27pcs/pallet, 54pcs/stack, 594pcs/40 HQ Container

ELECTRICAL CHARACTERISTICS

Module Type	JKM390M-72HL-V	JKM395M-72HL-V	JKM400M-72HL-V	JKM405M-72HL-V	JKM410M-72HL-V
STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	390Wp	395Wp	400Wp	405Wp	410Wp
Maximum Power Voltage (Vmp)	39.64V	39.69V	40.16V	40.22V	40.68V
Maximum Power Current (Imp)	9.84A	9.90A	9.98A	10.02A	10.09A
Open-circuit Voltage (Voc)	48.4V	48.8V	49.1V	49.4V	49.8V
Short-circuit Current (Isc)	10.44A	10.54A	10.61A	10.69A	10.76A
Module Efficiency (STC %)	19.30%	19.43%	19.68%	20.13%	20.38%

*STC: ☀ Irradiance 1000W/m²
NOCT: ☁ Irradiance 800W/m²
☁ Power measurement tolerance: ±3%

☁ Cell Temperature 25°C
☁ Ambient Temperature 20°C
☁ Wind Speed 1m/s

This company reserves the right to change the information presented hereby. JKM390-410M-72HL-V-44-US

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Enphase IQ 7 and IQ 7+ Microinverters

The high powered smart grid-ready
Enphase IQ 7 Micro™ and **Enphase IQ 7+ Micro™**
dramatically simplify the installation process while
achieving the highest system efficiency.

Part of the Enphase IQ System, the IQ 7 and
IQ 7+ Microinverters integrate with the Enphase
IQ Envoy™, Enphase IQ Battery™, and the Enphase
Enlighten™ monitoring and analysis software.

IQ Series Microinverters extend the reliability
standards set forth by previous generations and
undergo over a million hours of power-on testing,
enabling Enphase to provide an industry-leading
warranty of up to 25 years.

Easy to Install

- Lightweight and simple
- Faster installation with improved, lighter two-wire cabling
- Built in rapid shutdown compliant (NEC 2014 & 2017)

Productive and Reliable

- Optimized for high powered 60-cell/120 half-cell and 72-cell/144 half-cell* modules
- More than a million hours of testing
- Class II double insulated enclosure
- UL listed

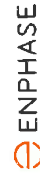
Smart Grid Ready

- Complies with advanced grid support, voltage and frequency ride-through requirements
- Remotely updates to respond to changing grid requirements
- Configurable for varying grid policies
- Meets CA Rule 21 (UL 1741 SA)

*The IQ 7+ Micro is required to support 72-cell/144 half-cell modules



To learn more about Enphase offerings, visit enphase.com



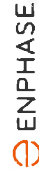
Enphase IQ 7 and IQ 7+ Microinverters

INPUT DATA (DC)		IQ7-60-2-US		IQ7PLUS-72-2-US	
Commonly used module pairings*		235 W - 350 W + 60-cell/120 half-cell PV modules only		235 W - 440 W + 60-cell/120 half-cell and 72-cell/144 half-cell PV modules	
Maximum input DC voltage		48 V		60 V	
Peak power tracking voltage		27 V - 37 V		27 V - 45 V	
Operating range		16 V - 48 V		16 V - 60 V	
Min/Max start voltage		22 V / 48 V		22 V / 60 V	
Max DC short circuit current (module Isc)		15 A		15 A	
Overvoltage class DC port		II		II	
DC port backed current		0 A		0 A	
PV array configuration		1 x 1 ungrounded array, No additional DC side protection required, AC side protection requires max 20A per branch circuit		1 x 1 ungrounded array, No additional DC side protection required, AC side protection requires max 20A per branch circuit	
OUTPUT DATA (AC)		IQ 7 Microinverter		IQ 7+ Microinverter	
Peak output power		250 VA		295 VA	
Maximum continuous output power		240 VA		290 VA	
Nominal (LL) voltage/range*		240 V / 211-264 V		208 V / 211-264 V	
Maximum continuous output current		1.0 A (240 V)		1.15 A (208 V)	
Nominal frequency		60 Hz		60 Hz	
Extended frequency		47 - 68 Hz		47 - 68 Hz	
AC short circuit fault current over 3 cycles		5.8 Arms		5.8 Arms	
Maximum trips per 20 A (LL) branch circuit		16 (240 VAC)		13 (240 VAC)	
Overvoltage class AC port		II		III	
AC port backed current		18 mA		18 mA	
Power factor setting		1.0		1.0	
Power factor (adjustable)		0.95 leading - 0.95 lagging		0.85 leading - 0.85 lagging	
EFFICIENCY		@240 V		@240 V	
Peak efficiency		97.6 %		97.5 %	
CFC weighted efficiency		97.0 %		97.0 %	
MECHANICAL DATA		-40°C to +65°C		-40°C to +65°C	
Ambient temperature range		4% to 100% (condensing)		4% to 100% (condensing)	
Relative humidity range		M4 (for Ambient) H4 U1 X with additional Q-DCC 5 adapter		M4 (for Ambient) H4 U1 X with additional Q-DCC 5 adapter	
Connector type		217 mm x 175 mm x 30.2 mm (without bracket)		217 mm x 175 mm x 30.2 mm (without bracket)	
Dimensions (HxWxD)		1.08 kg (2.38 lbs)		1.08 kg (2.38 lbs)	
Weight		Natural connection - No fans		Natural connection - No fans	
Cooling		Yes		Yes	
Approved for wet locations		P03		P03	
Pollution degree		Class II double insulated, corrosion resistant polymeric enclosure		Class II double insulated, corrosion resistant polymeric enclosure	
Enclosure		NEMA Type 6 / outdoor		NEMA Type 6 / outdoor	
Environmental category / UV exposure rating		FEATURES		FEATURES	
Communication		Power Line Communication (PLC)		Power Line Communication (PLC)	
Monitoring		Enlighten Manager and MyEnlighten monitoring options		Enlighten Manager and MyEnlighten monitoring options	
Disconnecting means		Both options require installation of an Enphase IQ Envoy		Both options require installation of an Enphase IQ Envoy	
Compliance		The AC and DC connectors have been evaluated and approved by UL for use as the load break disconnect required by NEC 690.		The AC and DC connectors have been evaluated and approved by UL for use as the load break disconnect required by NEC 690.	
		CA Rule 21 (UL 1741 SA)		CA Rule 21 (UL 1741 SA)	
		UL 1741, IEEE 1547, FCC Part 15 Class B, ICES-0003 Class B,		UL 1741, IEEE 1547, FCC Part 15 Class B, ICES-0003 Class B,	
		CAN/CSA C22.2 NO. 1071.01		CAN/CSA C22.2 NO. 1071.01	
		This product is UL Listed as PV Rapid Shut Down Equipment and conforms with NEC 2014, NEC 2017, and NEC 2020 section 690.12 and C22.2-2015 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according to manufacturer's instructions.		This product is UL Listed as PV Rapid Shut Down Equipment and conforms with NEC 2014, NEC 2017, and NEC 2020 section 690.12 and C22.2-2015 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according to manufacturer's instructions.	

1. No solar grid DC/AC ratio. See the compatibility calculator at <https://enphase.com/usa/support/module-compatibility>.
2. Nominal voltage range can be extended beyond nominal if required by the utility.
3. Units may vary. Refer to local requirements to define the number of microinverters per branch in your area.

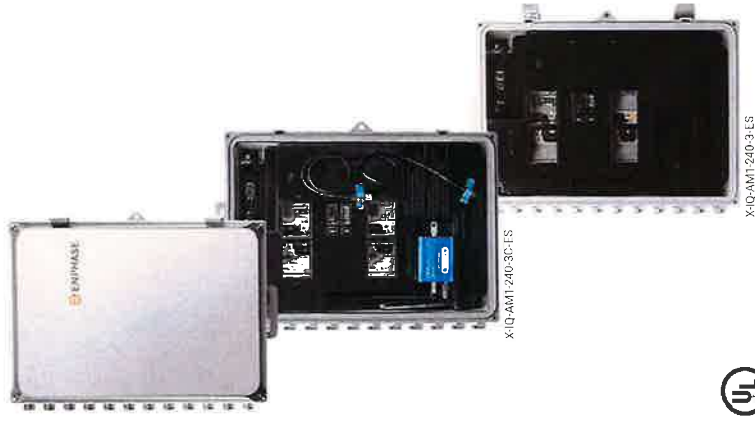
To learn more about Enphase offerings, visit enphase.com

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Enphase IQ Combiner 3-ES/3C-ES

X-IQ-AM1-240-3-ES
X-IQ-AM1-240-3C-ES



To learn more about Enphase offerings, visit enphase.com

The **Enphase IQ Combiner 3-ES/3C-ES™** with Enphase IQ Envoy™ and integrated LTE-M1 cell modem (included only with IQ Combiner 3C-ES) consolidates interconnection equipment into a single enclosure and streamlines PV and storage installations by providing a consistent, pre-wired solution for residential applications. It offers up to four 2-pole input circuits and Eaton BR series busbar assembly.

Smart

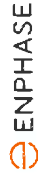
- Includes IQ Envoy for communication and control
- Includes LTE-M1 cell modems (included only with IQ Combiner 3C-ES)
- Includes solar shield to match Ensemble esthetics and deflect heat
- Flexible networking supports Wi-Fi, Ethernet, or cellular
- Optional AC receptacle available for PLC bridge
- Provides production metering and consumption monitoring

Simple

- Reduced size from IQ Combiner (X-IQ-AM1-240-2)
- Centered mounting brackets support single stud mounting
- Supports back and side conduit entry
- Up to four 2-pole branch circuits for 240 VAC plug-in breakers (not included)
- 80 A total PV or storage branch circuits

Reliable

- Durable NRTL-certified NEMA type 3R enclosure
- Five year limited warranty
- Two years labor reimbursement program coverage included for both the Combiner SKU's
- UL listed



Enphase IQ Combiner 3-ES / 3C-ES

MODEL NUMBER	DESCRIPTION
IQ Combiner 3-ES (X-IQ-AM1-240-3-ES)	IQ Combiner 3-ES with Enphase IQ Envoy printed circuit board for integrated revenue grade PV production metering (ANSI C12.20 +/- 0.5%) and consumption monitoring (+/-2.5%). Includes a silver solar shield to match the Enphase storage system and Enphase smart switch and to deflect heat.
IQ Combiner 3C-ES (X-IQ-AM1-240-3C-ES)	IQ Combiner 3C-ES with Enphase IQ Envoy printed circuit board for integrated revenue grade PV production metering (ANSI C12.20 +/- 0.5%) and consumption monitoring (+/-2.5%). Includes a silver solar shield to match the Enphase storage system and Enphase smart switch and to deflect heat. Includes Enphase Mobile Connect LTE-M1 (CELLMODEM-M1) a plug-in cellular modem for use with Enphase systems up to 60 microinverters. Available for use in the United States, Canada, Mexico, Puerto Rico, and the US Virgin Islands. When used in the installation area, it includes a silver solar shield to match the Enphase storage system and Enphase smart switch and to deflect heat.
ACCESSORIES and REPLACEMENT PARTS	(not included, order separately)
Ensemble Communications Kit (COMMS-KIT-01 and CELLMODEM-M1)	Includes COMMS-KIT-01 and CELLMODEM-M1 with 5 year data plan for Ensemble sites
Circuit Breakers	Supports Eaton BR210, BR230, BR240, BR250, and BR260 circuit breakers.
BRK 10A 2/240	Circuit breaker, 2 pole, 10A, Eaton BR210
BRK 15A 2/240	Circuit breaker, 2 pole, 15A, Eaton BR215
BRK 20A 2P-240	Circuit breaker, 2 pole, 20A, Eaton BR220
EPLC-01	Power line carrier (communication bridge pair), quantity - one pair
XA-SOLARSHIELD-ES	Replacement solar shield for Combiner 3-ES / 3C-ES
XA-PLUG-120-3	Accessory receptacle for Power Line Carrier in IQ Combiner 3-ES / 3C-ES (required for EPLC-01)
XA-ENV-PCBA-3	Replacement IQ Envoy printed circuit board (PCB) for Combiner 3-ES / 3C-ES
ELECTRICAL SPECIFICATIONS	
Rating	Continuous duty
System voltage	120/240 VAC, 60 Hz
Eaton BR series busbar rating	125 A
Max. continuous current rating	65 A
Max. continuous current rating (input from PV/storage)	64 A
Max. fuse/circuit rating (output)	90 A
Branch circuits (total and/or storage)	Up to four 2-pole Eaton BR series Distributed Generation (DG) breakers only (not included)
Max. total branch circuit breaker rating (input)	80A of distributed generation / 95A with IQ Envoy breaker included
Envoy breaker	10A or 15A rating GE/Siemens/Eaton included
Production metering CT	200 A solid core pre-installed and wired to IQ Envoy
Consumption monitoring CT (CT 200 SPLIT)	A pair of 200 A split core current transformers
MECHANICAL DATA	
Dimensions (WxHxD)	37.5 x 49.5 x 16.8 cm (14.75" x 19.5" x 6.63") Height is 21.90" (55.3 cm) with mounting brackets.
Weight	7.5 kg (16.5 lbs)
Ambient temperature range	-40° C to +49° C (40° to 119° F)
Cooling	Natural convection, plus heat shield
Enclosure environmental rating	Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction
Wire sizes	• 20 A to 50 A breaker input: 14 to 4 AWG copper conductors • 60 A breaker branch input: 4 to 1/0 AWG copper conductors • Main lug combined output: 10 to 2/0 AWG copper conductors • Neutral and ground: 14 to 1/0 copper conductors Always follow local code requirements for conductor sizing.
Altitude	To 2000 meters (6560 feet)
INTERNET CONNECTION OPTIONS	
Integrated Wi-Fi	802.11n/g/n
Cellular	CELLMODEM-M1-06 4G-LTE-M1 cellular modem (included only with IQ Combiner 3C-ES). Note that an Enphase Mobile Connect cellular modem is required for all Ensemble installations.
Ethernet	Optional, 802.3, Cat5e (or Cat 6) UTP Ethernet cable (not included)
COMPLIANCE	
Compliance, Combiner	UL 1741, CAN/CSA C22.2 No. 107.1, 47 CFR, Part 15, Class B, FCC 103
Compliance, IQ Envoy	Production metering: ANSI C12.20 accuracy class 0.5 (PV product on) Consumption metering: accuracy class 2.5 UL 60501-1/CAN/CSA 22-2 No. 6010-1

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SMR100 Rail



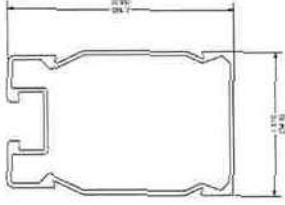
SMR200 Rail



Part Number	Description
A20422-168-BK	SMR100 Rail, Black, Anodized, 168"
A20453-168-BK	SMR200 Rail, Black, Anodized, 168"
A20440-BK1	Rail End Cap, SMR100, Black
A20440-BK2	Rail End Cap, SMR200, Black

Cut Sheet

SMR100 Rail



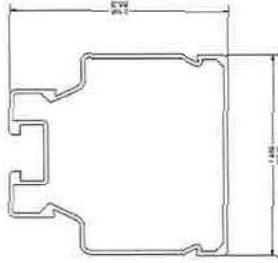
Mechanical Properties

Material: 6005-T5 Aluminum
Weight: 0.4176 lb/ft (0.614 kg/m)
Ultimate Tensile Strength: 37.7 ksi (260 MPa)
Yield Strength: 34.8 ksi (240 MPa)

Section Properties

Sx: 0.196 in³ (3.21 cm³)
Sy: 0.146 in³ (2.39 cm³)
Area (X-section): 0.352 in² (2.27 cm²)

SMR200 Rail



Mechanical Properties

Material: 6005-T5 Aluminum
Weight: 0.645 lb/ft (0.950 kg/m)
Ultimate Tensile Strength: 37.7 ksi (260 MPa)
Yield Strength: 34.8 ksi (240 MPa)

Section Properties

Sx: 0.321 in³ (5.26 cm³)
Sy: 0.272 in³ (4.46 cm³)
Area (X-section): 0.551 in² (3.55 cm²)

D10223-0002
Dimensions shown are inches (and millimeters)

Details are subject to change without notice



SMR Rail Splices



L-Foot Adaptors

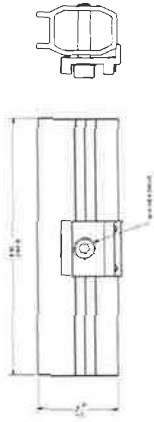


Part Number	Description
K10421-BK1	Structural Splice, SMR100, Black
K10422-BK1	Structural Splice, SMR200, Black
K10433-BK1	L-Foot Adaptor, SMR100, Black
K10434-BK1	L-Foot Adaptor, SMR200, Black

Cut Sheet

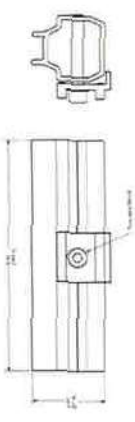
SMR100 Bonding Rail Splice

Material: Aluminum



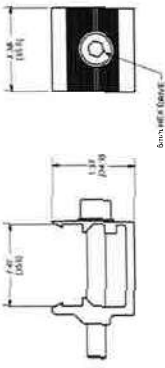
SMR200 Bonding Rail Splice

Material: Aluminum



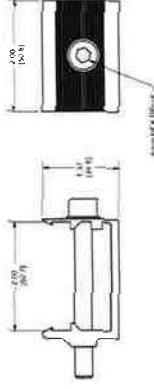
SMR100 L-Foot Adaptor

Material: Aluminum



SMR200 L-Foot Adaptor

Material: Aluminum



D10223-0003
Dimensions shown are inches (and millimeters)

Details are subject to change without notice

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 07 day of August, 2022, by and between Maria Pagan (hereinafter called "**Customer**"), located at 3117 SE 24th Terrace 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: 3117 SE 24th Terrace, Ocala, FL 34471, USA.

WITNESSETH

Whereas, a Tier 2 Renewable Generation System (RGS) is an electric generating system that uses one or of more of the following fuels or energy sources: hydrogen, biomass, solar energy, geothermal energy, wind energy, ocean energy, waste heat, or hydroelectric power as defined in Section 377.803, Florida Statutes, rated at more than 10 kilowatts (10 kW) but not greater than 100 kilowatts (100 kW) alternating current (AC) power output and is primarily intended to offset part or all of the customer's current electric requirements; and

Whereas, OEU operates an electric system serving parts of the City of Ocala and Marion County; and

Whereas, Customer has made a written Application to OEU, a copy being attached hereto, to interconnect its RGS with OEU's electrical supply grid at the location identified above; and

Whereas, the City of Ocala and the Florida Municipal Power Agency (hereinafter called "FMPPA") have entered into the All-Requirements Power Supply Contract pursuant to which OEU has agreed to purchase and receive, and FMPPA 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, FMPPA, 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

MP

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

MP

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.

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(Continued on Sheet No. 22.3)

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

Effective: October 1, 2019

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



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



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

- 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



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

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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: Ken Whitehead

By: Mari a Pagn
(Print Name)

Title: Asst. City Manager

Mari a Pagn
(Signature)

Date: 02 / 10 / 2023

Date: 12/21/2022

City of Ocala Electric Utility Account Number:

548321235269

Approved as to form and legality:

William E. Sexton

William E. Sexton
City Attorney

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

Effective: October 1, 2019

Tri-Party Net-Metering Power Purchase Agreement

This Tri-Party Net-Metering Power Purchase Agreement (this "Agreement") is entered into this 07 day of August, 2022, 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 Maria Pagan, a retail electric customer of OEU (hereinafter "Customer").

Section 1. Recitals

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

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

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

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

Section 2. Interconnection

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

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

(Continued on Sheet No. 20.1)

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

Effective: October 1, 2019

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Section 3. Metering

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

Section 4. Purchase of Excess Customer-Owned Renewable Generation

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

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

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

(Continued on Sheet No. 20.2)

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

Effective: October 1, 2019



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

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

Section 5. Renewable Energy Credits

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

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

Section 6. Term and Termination

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

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

(Continued on Sheet No. 20.3)

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

Effective: October 1, 2019



Section 7. Miscellaneous Provisions

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

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

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

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

(Continued on Sheet No. 20.4)

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

Effective: October 1, 2019

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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)

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

Effective: October 1, 2019



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: Ken Whitehead

Title: Asst. City Manager

Date: 02 / 10 / 2023

Florida Municipal Power Agency

By: [Signature]

Title: VP of IT/OT and Sys Ops

Date: 02 / 13 / 2023

Customer

By: Maria Pagan

(Print Name)

[Signature]

(Signature)

Date: 12/13/2022

Customer's City of Ocala Electric Utility Account Number: 548321235269

Approved as to form and legality:

William E. Sexton

Robert W. Batsel, Jr.
Assistant City Attorney

(Continued on Sheet No. 20.6)

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

Effective: October 1, 2019

[Signature]

**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.

Title	FOR SIGNATURES - Application for Interconnection of.....
File name	MariaPagan_230174.pdf
Document ID	549ae83592903d86930212174c1e3bed6419e126
Audit trail date format	MM / DD / YYYY
Status	● Signed

Document History



02 / 06 / 2023
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Sent for signature to William E. Sexton (wssexton@ocalafl.org), Ken Whitehead (kwhitehead@ocalafl.org) and Florida Municipal Power Agency (chris.gowder@fmpa.com) from slewis@ocalafl.org
IP: 216.255.240.104



02 / 07 / 2023
10:38:30 UTC-5

Viewed by William E. Sexton (wssexton@ocalafl.org)
IP: 216.255.240.104



02 / 07 / 2023
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Signed by William E. Sexton (wssexton@ocalafl.org)
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Viewed by Ken Whitehead (kwhitehead@ocalafl.org)
IP: 216.255.240.104



02 / 10 / 2023
17:31:27 UTC-5

Signed by Ken Whitehead (kwhitehead@ocalafl.org)
IP: 216.255.240.104

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Status	● Signed

Document History



02 / 10 / 2023
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Viewed by Florida Municipal Power Agency
(chris.gowder@fmpa.com)
IP: 107.77.215.60



02 / 13 / 2023
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Signed by Florida Municipal Power Agency
(chris.gowder@fmpa.com)
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The document has been completed.