

76 North Meadowbrook Drive Alpine, UT 84004 office (201) 874-3483 swyssling@wysslingconsulting.com

August 3, 2022

Lumio Solar 12600 Challenger Parkway, Suite 200 Orlando, FL 32826 Scott Wyssling, Digitally signed by Scott Wyssling, PE DN: C=US, S=Utah, L=Alpine, O=Wyssling Consulting, CN="Scott Wyssling, PE", E=swyssling@wysslingconsulting.com Reason: I am the author of this document Location: your signing location here Date: 2022.08.03 10:47:17-06'00' Foxit PDF Editor Version: 11.1.0

Re: Engineering Services Meeks Residence 208 Southeast Tevis Avenue, Lake City FL 12.800 kW System

To Whom It May Concern:

We have received information regarding solar panel installation on the roof of the above referenced structure. Our evaluation of the structure is to verify the existing capacity of the roof system and its ability to support the additional loads imposed by the proposed solar system.

A. Site Assessment Information

- 1. Site visit documentation identifying attic information including size and spacing of framing for the existing roof structure.
- Design drawings of the proposed system including a site plan, roof plan and connection details for the solar panels. This information will be utilized for approval and construction of the proposed system.

B. Description of Structure:

Roof Framing: Prefabricated wood trusses at 24" on center. All truss members are

constructed of 2 x 4 dimensional lumber.

Roof Material: Metal Roofing Roof Slopes: 27 +/- degrees Attic Access: Accessible Permanent

C. Loading Criteria Used

- Dead Load
 - Existing Roofing and framing = 7 psf
 - New Solar Panels and Racking = 3 psf
 - TOTAL = 10 PSF
- Live Load = 20 psf (reducible) 0 psf at locations of solar panels
- Ground Snow Load = 0 psf
- Wind Load based on ASCE 7-16
 - Ultimate Wind Speed = 140 mph (based on Risk Category II)
 - Exposure Category C

Analysis performed of the existing roof structure utilizing the above loading criteria is in accordance with the FBC 2020 7th Edition, including provisions allowing existing structures to not require strengthening if the new loads do not exceed existing design loads by 105% for gravity elements and 110% for seismic elements. This analysis indicates that the existing framing will support the additional panel loading without damage, if installed correctly.

D. Solar Panel Anchorage

- 1. The solar panels shall be mounted in accordance with the most recent "S-5 Installation Manual". If during solar panel installation, the roof framing members appear unstable or deflect non-uniformly, our office should be notified before proceeding with the installation.
- System will be attached to the metal roofing material utilizing the patented S-5 connection. Installation of the connections shall be in accordance with the manufacturer's recommendations.
- 3. Considering the wind speed, roof slopes, size and spacing of framing members, and condition of the roof, the panel supports shall be placed no greater than 48" on center.
- 4. Panel supports connections shall be staggered to distribute load to adjacent framing members.

Based on the above evaluation, this office certifies that with the racking and mounting specified, the existing roof system will adequately support the additional loading imposed by the solar system. This evaluation is in conformance with the FBC 2020 7th Edition, current industry standards and practice, and is based on information supplied to us at the time of this report.

Should you have any questions regarding the above or if you require further information do not hesitate to contact me.

1. -01

Scott E. Wyssling, PE Florida License No. 8 (53) THIS PLAN HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY SCOTT WYSSLING, PE USING A DIGITAL SIGNATURE AND DATE. PRINTED EXPIRED AND SIGNATURE AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

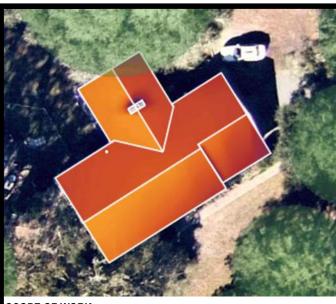
No. 8155

No. 8155

Wyssling Consulting, PLLC 76 N Meadowbrook Drive Alpine UT 84004

Panda License & R734712 Date Signed 8/3/2022





SCOPE OF WORK:

TO INSTALL A ROOF MOUNTED SOLAR PHOTOVOLTAIC SYSTEM AT THE OWNER RESIDENCE LOCATED AT 208 SE TEVIS AVE, LAKE CITY, FL 32025.

SYSTEM DC RATING: 12.80 KWDC SYSTEM AC RATING: 9.29 KWAC

GENERAL NOTES:

- THESE CONSTRUCTION DOCUMENTS HAVE BEEN BASED ON FIELD INSPECTIONS AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS IN CONSTRUCTION DETAILS.
- CONTRACTOR HAS THE FULL RESPONSIBILITY TO CHECK AND VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. ANY WORK STARTED BEFORE CONSULTATION AND ACCEPTANCE BY THE ENGINEER SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE SUBJECT TO CORRECTION BY THEM WITHOUT ADDITIONAL COMPENSATION.
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE PROPER INSTALLATION AND COMPLETION OF THE WORK WITH APPROVED MATERIALS.
- THE EQUIPMENT AND ALL ASSOCIATED WIRING AND INTERCONNECTION SHALL BE INSTALLED ONLY BY QUALIFIED PEOPLE. A QUALIFIED PERSON IS ONE WHO HAS SKILLS AND KNOWLEDGE RELATED TO THE CONSTRUCTION AND OPERATION OF THE ELECTRICAL EQUIPMENT AND INSTALLATIONS AND HAS RECEIVED SAFETY TRAINING TO RECOGNIZE AND AVOID THE HAZARDS INVOLVED. (NEC 690.4(C), NEC 2017).
- NEW CONDUIT ROUTING SHOWN IS ESSENTIALLY SCHEMATIC. CONTRACTOR SHALL LAY OUT RUNS TO SUIT FIELD CONDITIONS AND THE COORDINATION REQUIREMENTS OF OTHER TRADES.
- ARRAY WIRING SHOULD NOT BE READILY ACCESSIBLE EXCEPT TO QUALIFIED PERSONNEL.
- THE AC DISCONNECT MUST BE ACCESSIBLE TO QUALIFIED UTILITY PERSONNEL, BE LOCKABLE, AND BE A VISIBLE-BREAK SWITCH.

SHEET INDEX					
CS-0	COVER SHEET & BOM				
E-1	STRING LAYOUT & SIGNAGE				
E-2	ELECTRICAL DIAGRAM & CALCS.				
E-3+	EQUIPMENT SPECIFICATIONS				

GOVERNING CODES

2018 NFPA 1 (FIRE CODE) 2017 NATIONAL ELECTRICAL CODE 2020 FLORIDA BUILDING CODE (7TH EDITION)

AUTHORITY HAVING JURISDICTION (AHJ): COLUMBIA COUNTY

BILL OF MATERIALS					
EQUIPMENT	QTY	DESCRIPTION			
SOLAR PV MODULE	32	Q.PEAK DUO BLK ML-G10+ 400W			
MICROINVERTER	32	ENPHASE IQ8PLUS-72-2-US			
JUNCTION BOX	1	JUNCTION BOX, NEMA 3R, UL LISTED			
COMBINER BOX	1	ENPHASE IQ COMBINER 4/4C W/ IQ ENVOY (X-IQ-AM1-240-4)			
AC DISCONNECT	1	FUSED AC DISCONNECT, 240V, NEMA 3R, UL LISTED			
POWER PERFECT BOX	1	(ES1PN), 120V/240V, NEMA 3X			



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Date Signed 8/3/2022



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ATLANTIC KEY ENERGY LLC 7006 STAPOINT CT WINTER PARK, FL 32792

+1 (407) 988-0273 PROJECT NAME & ADDRESS

> RESIDENCE 208 SE TEVIS AVE LAKE CITY, FL 32025 **ALVIN MEEKS** AKE CITY,

SIGNATURE WITH SEAL

REVIS	SIONS	
DESCRIPTION	DATE	REV
rawn by:	_	N.F

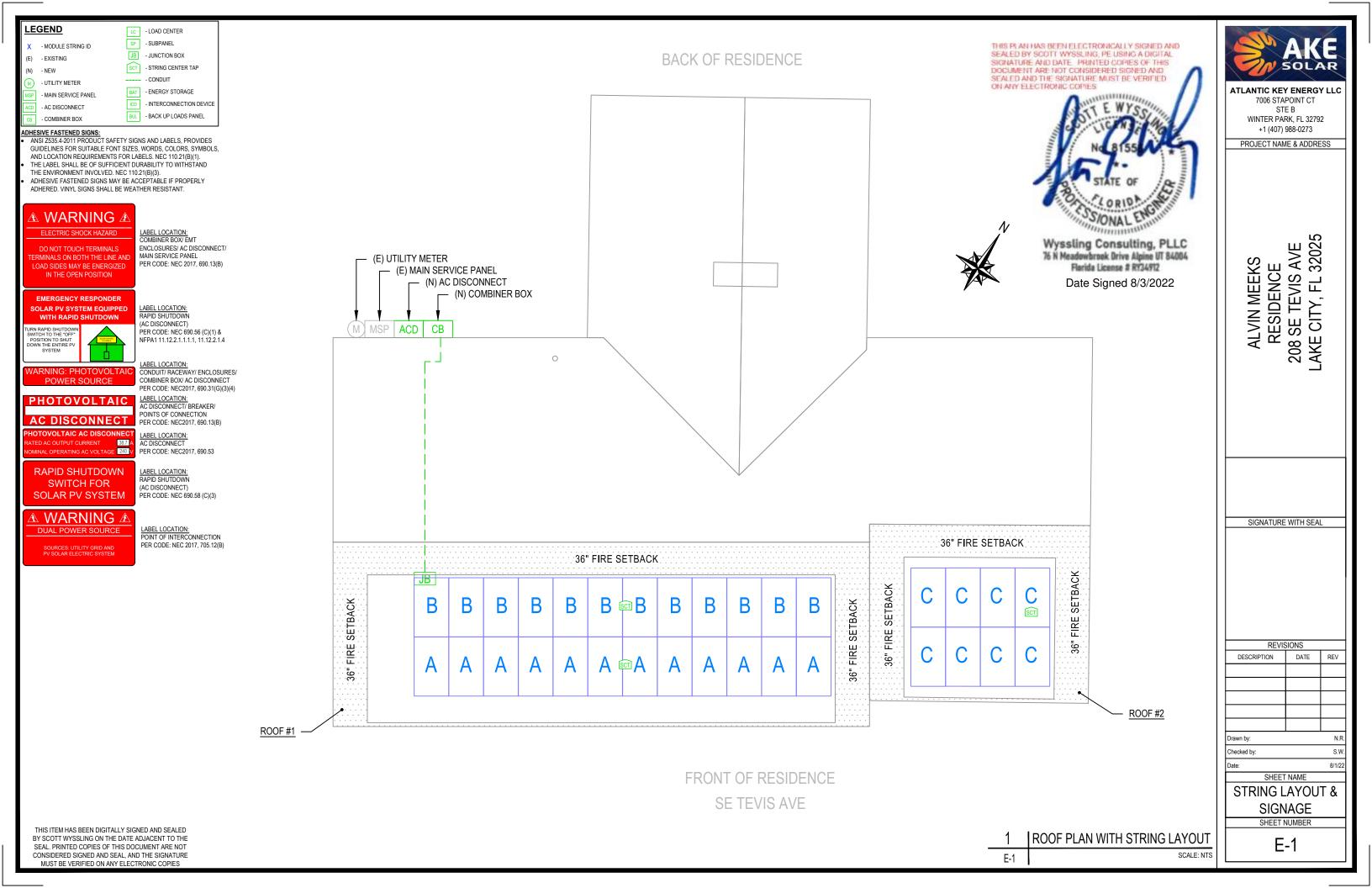
8/1/22

SHEET NAME

COVER SHEET & BOM

CS-0

SHEET NUMBER



ID	INITIAL CONDUCTOR LOCATION	FINAL CONDUCTOR LOCATION	М	IN. CONDUCTOR SIZE (AWG)	MIN. DIA CONDUIT SIZE (IN.)	# OF PARALLEL CIRCUITS	CURRENT-CARRYING CONDUCTORS IN CONDUIT	OCPD (A)		MIN. EGC SIZE (AWG)	TEMP. COF	RR. FACTOR	CONDUIT FILL FACTOR	CONT. CURRENT (A)	MAX. CURRENT (A)	BASE AMP. (A)	DERATED AMP. (A)	TERM. AMP. RATING (A)	LENGTH (FT)	VOLTAGE DROP (%)
1	STRING A	JUNCTION BOX	12	Q CABLE	N/A	1	2	N/A	6	BARE COPPER	0.76	55°C	N/A	14.52	18.15	30	N/A	N/A	50.00	0.49
2	STRING B	JUNCTION BOX	12	Q CABLE	N/A	1	2	N/A	6	BARE COPPER	0.76	55°C	N/A	14.52	18.15	30	N/A	N/A	45.00	0.44
3	STRING C	JUNCTION BOX	12	Q CABLE	N/A	1	2	N/A	6	BARE COPPER	0.76	55°C	N/A	9.68	12.10	30	N/A	N/A	80.00	0.52
4	JUNCTION BOX	IQ COMBINER	10	THWN-2 COPPER	0.75 LTNM	3	6	20	10	THWN-2 COPPER	0.76	55°C	0.8	14.52	18.15	40	24.3	35	35.00	0.53
5	IQ COMBINER	AC DISCONNECT	8	THWN-2 COPPER	0.75 LTNM	1	3	50	10	THWN-2 COPPER	0.96	33°C	1	38.72	48.40	55	52.8	50	5.00	0.13
6	AC DISCONNECT	MSP	6	THWN-2 COPPER	0.75 LTNM	1	3	N/A	-	-	0.96	33°C	1	38.72	48.40	75	72.0	65	5.00	0.08

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ELECTRICAL LINE DIAGRAM & CALCS. SHEET NUMBER

8/1/22

E-2

SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES (N) STRING A - 12 Q.PEAK DUO BLK ML-G10+ 400W MODULES TO UTILITY GRID - 12 ENPHASE IQ8PLUS-72-2-US MICROINVERTERS (N) STRING B

(N) JUNCTION

6AWG BARE COPPER

TO MOUNTING STRUCTURE

(E) BI-DIRECTIONAL (N) LINE SIDE TAP ÙTILITY METER ENVOY 10A/2P OR 15A/2P (E) MAIN BREAKER TO HOUSE, 200A 20A/2P (2) 50 A FUSES 20A/2P 15A/2P (N) FUSED AC | NC000000 DISCONNECT (N) IQ COMBINER BOX (E) MAIN SERVICE PANEL, 200A POWER PERFEC BOX (E) GROUND - 6AWG

d 2 N

BARE

COPPER

ELECTRODE

CONDUCTOR

LEGEND (E) - EXISTING (N) - NEW

DESIGN TEMPERATURE SPECIFICATIONS 1°C RECORD LOW TEMP AMBIENT TEMP (HIGH TEMP 2%) 33°C 1.0" CONDUIT HEIGHT CONDUCTOR TEMPERATURE RATE (ROOF) 55°C

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NOTE: LTNM OR EQUIVALENT TYPE CONDUIT

- 12 Q.PEAK DUO BLK ML-G10+ 400W MODULES

- 12 ENPHASE IQ8PLUS-72-2-US MICROINVERTERS

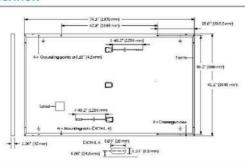
- 8 ENPHASE IQ8PLUS-72-2-US MICROINVERTERS

(N) STRING C — 8 Q.PEAK DUO BLK ML-G10+ 400W MODULES

ELECTRICAL LINE DIAGRAM

MECHANICAL SPECIFICATION

Format	74.0 in × 41.1 in × 1.26 in (including frame) (1879 mm × 1045 mm × 32 mm)
Weight	48.5lbs (22.0kg)
Front Cover	0.13 in (3.2mm) thermally pre-stressed glass with anti-reflection technology
Back Cover	Composite film
Frame	Black anodized aluminum
Cell	6×22 monocrystalline Q.ANTUM solar half cells
Junction Box	$2.09-3.98$ in \times $1.26-2.36$ in \times $0.59-0.71$ in (53-101 mm \times $32-60$ mm \times $15-18$ mm), IP67, with bypass clodes
Cable	4mm² Solar cable; (+) ≥49.2 in (1250 mm), (-) ≥49.2 in (1250 mm)
Connector	Staubli MC4; IP68

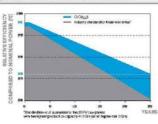


ELECTRICAL CHARACTERISTICS

POV	WER CLASS			385	390	395	400	405
MIN	NIMUM PERFORMANCE AT STANDA	RD TEST CONDITIC	NS, STC+ (PO	WER TOLERANCE +	5W/-0W)			
	Power at MPPI	P _{MPP}	[W]	385	390	395	400	405
	Short Circuit Current ¹	lsc	[A]	11.04	11.07	11.10	11.14	11.17
mun	Open Circuit Voltage ¹	Voc	[V]	45.19	45.23	45.27	45.30	45.34
Minir	Current at MPP	lupp	[A]	10.59	10.65	10.71	10,77	10.83
2	Voltage at MPP	V _{MPP}	[V]	36,36	36.62	36.88	37.13	37,39
	Efficiency ^a	η	[%]	≥19.6	≥19.9	≥20.1	≥20.4	≥20.6
MIN	NIMUM PERFORMANCE AT NORMA	LOPERATING CON	OTTONS, NMC	T ²				
	Power at MPP	PMER	[W]	288,8	292.6	296.3	300.1	303.8
Ē	Short Circuit Current	lec	[A]	8.90	8.92	8.95	8.97	9.00
E	Open Circuit Voltage	Voc	[V]	42.62	42.65	42.69	42.72	42.76
ž	Current at MPP	lupp	[A]	8.35	8.41	8,46	8.51	8.57
	Voltage at MPP	V _{MEP}	[V]	34.59	34,81	35.03	35.25	35.46

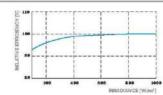
4Measurement tolerances P_{MPP} ±3%; I_{pC}; V_{pC} ±5% at STC :1000 W/m², 25±2°C, AM 1.5 according to IEC 6090 4-3 -2800 W/m², NMOT, spectrum AM 1.5

Q CELLS PERFORMANCE WARRANTY PERFORMANCE AT LOW IRRADIANCE



At least 98% of nominal power during first year. Thereafter max, 0.5% degradation per year. At least 93.5% of nominal power up to 10 years. At least 86% of nominal power up to 25 years.

All data within measurement tolerances. Rull warranties in accordance with the warranty terms of the Q CELLS sales organisation of your respective



Typical module performance under low irradiance conditions in comparison to STC conditions (25°C, 1000 W/m²)

TEMPERATURE COEFFICIENTS							
Temperature Coefficient of lac	a	[%/K]	+0.04	Temperature Coefficient of V ₀₀	β	[%/K]	-0.27
Temperature Coefficient of P _{MP}	γ	[%/K]	-0.34	Nominal Module Operating Temperature	NMOT	[°F]	109±5.4 (43±3°C)

PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage V ₉₇₃	[V]	1000 (EC)/1000 (UL)	PV module classification	Class II
Maximum Series Fuse Rating	[A DC]	20	Fire Rating based on ANSI/UL 61730	TYPE 2
Max. Design Load, Push / Pull*	[lbs/ft²]	75 (3600 Pa) /55 (2660 Pa)	Permitted Module Temperature	-40°F up to +185°F
Max. Test Load, Push/PulP	[lbs/ft²]	113 (5400Pa) /84 (4000Pa)	en Continuous Duty	(-40 °C up to +85 °C)
² See Installation Manual				

QUALIFICATIONS AND CERTIFICATES

PACKAGING INFORMATION

UL 61/30, CE-compilent Gwilty Controlled PV - TÜV Rheinland, IEC 61/215/2016, IEC 61/30/2016, U.S. Patent No. 9,893,215 (solar cells), QCPV Certification angoing







1	
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	The same	.A
Horizontal	76,4 in	43.3 in
packaging	1940 mm	1100mm







Note: Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of

Hanwha Q CELLS America Inc.

this product.

400 Spectrum Center Drive, Suite 1400, Irvine, CA 92618, USA | TEL +1 949 748 59 96 | EMAIL inquiry@us.q-cells.com | WEB www.q-cells.us

IO8 and IO8+ Microinverters

INPUT DATA (BC)		108-60-2-US	108PLUS-72-2-US			
Commonly used module pairings ¹	w	235 - 350	235 - 440			
Module compatibility		60-cell/120 half-cell	60-cell/120 half-cell and 72-cell/144 half-cell			
MPPT voltage range	٧	27 - 37	29 - 45			
Operating range	v	25 - 48	25 - 58			
Min/max start voltage	٧	30 / 48	30 / 58			
Max input DC voltage	v	50	60			
Max DC current ² [module Isc]	А		15			
Overvoltage class DC port			1			
DC port backfeed current	mA		0			
PV array configuration		1xt Ungrounded array; No additional DC side protectio	n required; AC side protection requires max 20A per branch circuit			
OUTPUT DATA (AC)		108-60-2-US	108PLUS-72-2-US			
Peak output power	VA	245	300			
Max continuous output power	VA	240	290			
Nominal (L-L) voltage/range ³	v	2	40 / 211 - 264			
Max continuous output current	A	1.0	1.21			
Nominal frequency	Hz		60			
Extended frequency range	Hz		50 - 68			
Max units per 20 A (L-L) branch circu	it ⁴	16	13			
Total harmonic distortion			<5%			
Overvoltage class AC port			ш			
AC port backfeed current	mA		30			
Power factor setting			1.0			
Grid-tied power factor (adjustable)		0.85 lea	ading - 0.85 lagging			
Peak efficiency	%	97.5	97.6			
CEC weighted efficiency	%	97	97			
Night-time power consumption	mW		60			
MECHANICAL DATA						
Ambient temperature range		-40°C to *	60°C (-40°F to +140°F)			
Relative humidity range		4% to	100% (condensing)			
DC Connector type			MC4			
Dimensions (HxWxD)		212 mm (8.3") x 175 mm (6.9") x 30.2 mm (1.2")				
Weight			08 kg (2.38 lbs)			
Cooling		Natural convection – no fans				
Approved for wet locations			Yes			
Acoustic noise at 1 m			<60 dBA			
Pollution degree			PD3			
Enclosure		Class II double-insulated, o	corrosion resistant polymeric enclosure			
Environ. category / UV exposure rath	ng		Type 6 / outdoor			
COMPLIANCE		_ =				

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 C22.1-2018 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according to

(1) No enforced DC/AC ratio. See the compatibility calculator at https://link.enphase.com/module-compatibility (2) Maximum continuous input DC current is 10.6A (3) Nominal voltage range can be extended beyond nominal if required by the utility. (4) Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.

manufacturer's instructions.

Certifications

IQ8SP-DS-0002-01-EN-US-2021-10-19



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PROJECT NAME & ADDRESS

ALVIN MEEKS RESIDENCE 208 SE TEVIS AVE LAKE CITY, FL 32025

SIGNATURE WITH SEAL

REVISIONS REV DESCRIPTION DATE

Drawn by: S.W. Checked by: 8/1/22

SHEET NAME

EQUIPMENT SPECIFICATIONS

SHEET NUMBER

E-3

Enphase IQ Combiner 4/4C

MODEL NUMBER						
Q Combiner 4 (X- Q-AM1-240-4)	IQ Combiner 4 with Enphase IQ Gateway 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 IQ Battery system and IQ System Controller 2 and to deflect heat.					
IQ Combiner 4C (X-IQ-AM1-240-4C)	IQ Combiner 4C with Enphase IQ Gateway printed circuit board for integrated revenue grade PV production metering (ANSI C12.20+/-0.5%) and consumption monitoring (+/-2.5%). Includes Enphase Mobile Connect cellular modem (CELLMODEM-M1-06-SP-05), a plug-and-play industrial-grade cell modem for systems up to 60 microinverters. (Available in the US, Canada, Mexico, Puerto Rico, and the US Virgin Islands, where there is adequate cellular service in the installation area.) includes a silver solar shield to match the IQ Battery and IQ System Controller and to deflect hea					
ACCESSORIES AND REPLACEMENT PARTS	(not included, order separately)					
Ensemble Communications Kit COMMS-CELLMODEM-M1-06 CELLMODEM-M1-06-SP-05 CELLMODEM-M1-06-AT-05	 Includes COMMS-KIT-01 and CELLMODEM-M1-06-SP-05 with 5-year Sprint data plan for Ensemble sites 46 based LTE-M1 cellular modern with 5-year Sprint data plan 46 based LTE-M1 cellular modern with 5-year AT&T data plan 					
Circuit Breakers BRK-10A-2-240V BRK-15A-2-240V BRK-20A-2P-240V BRK-15A-2P-240V-B BRK-20A-2P-240V-B	Supports Eaton BR210, BR215, BR220, BR230, BR240, BR250, and BR260 circuit breakers, Circuit breaker, 2 pole, 10A, Eaton BR210 Circuit breaker, 2 pole, 15A, Eaton BR215 Circuit breaker, 2 pole, 20A, Eaton BR220 Circuit breaker, 2 pole, 15A, Eaton BR215 With hold down kit support Circuit breaker, 2 pole, 20A, Eaton BR220B with hold down kit support					
EPLC-01	Power line carrier (communication bridge pair), quantity - one pair					
XA-SOLARSHIELD-ES	Replacement solar shield for IQ Combiner 4/4C					
XA-PLUG-120-3	Accessory receptacle for Power Line Carrier in IQ Combiner 4/4C (required for EPLC-01)					
XA-ENV-PCBA-3	Replacement IQ Gateway printed circuit board (PCB) for Combiner 4/4C					
X-IQ-NA-HD-125A	Hold down kit for Eaton circuit breaker with screws.					
ELECTRICAL SPECIFICATIONS						
Rating	Continuous duty					
System voltage	120/240 VAC, 60 Hz					
Eaton BR series busbar rating	125 A					
Max. continuous current rating	65A					
Max. continuous current rating (input from PV/storage)	64 A					
Max. fuse/circuit rating (output)	90 A					
Branch circuits (solar 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) Production metering CT	80A of distributed generation / 95A with IQ Gateway breaker included 200 A solid core pre-installed and wired to IQ Gateway					
Consumption monitoring CT (CT-200-SPLIT)	A pair of 200 A split core current transformers					
MECHANICAL DATA	A pail of 200 A spirit core current transformers					
	37.5 x 49.5 x 16.8 cm (14.75" x 19.5" x 6.63"). Height is 21.06" (53.5 cm) with mounting brackets.					
Dimensions (WxHxD)						
Weight	7.5 kg (16.5 lbs)					
Ambient temperature range	-40° C to +46° C (-40° to 115° 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 inputs: 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 (6,560 feet)					
INTERNET CONNECTION OPTIONS						
Integrated Wi-Fi	802.11b/g/n					
Cellular	CELLMODEM-M1-06-SP-05, CELLMODEM-M1-06-AT-05 (4G based LTE-M1 cellular modem). Note that an Emphase 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, IQ Combiner	UL 1741, CAN/CSA C22.2 No. 107.1, 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI C12.20 accuracy class 0.5 (PV production) Consumption metering: accuracy class 2.5					
Compliance, IQ Gateway	UL 60601-1/CANCSA 22.2 No. 61010-1					

To learn more about Enphase offerings, visit enphase.com

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