

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

February 8, 2023

Lumio Solar 12600 Challenger Parkway, Suite 200 Orlando, FL 32826 Scott Wyssling, PE

Digitally signed by Scott Wyssling, PE DN: C=US, S=Utah, L=Alpine, O=Wyssling Consulting, OU=Engineering, CN="Scott Wyssling, PE", E=swyssling@wysslingconsulting.com Reason: I am the author of this document Location: your signing location here Date: 2023.02.08 15:34:55-07'00' Foxit PDF Editor Version: 11.1.0

Re: Engineering Services
Thompson Residence
243 Southwest Fantasy Glen, Lake City FL
10.000 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

- 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: Composite Asphalt Shingles

Roof Slopes: 27 +/- degrees
Attic Access: Accessible
Foundation: 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 = 120 mph (based on Risk Category II)
 - Exposure Category B

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 Unirac 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.
- 2. The maximum allowable withdrawal force for a #12 lag screw is 226 lbs per inch of penetration as identified in the National Design Standards (NDS) of timber construction specifications. Based on two screws with a minimum penetration depth of 1¼", the allowable capacity per connection is greater than the design withdrawal force (demand). Considering the variable factors for the existing roof framing and installation tolerances, the connection using two #12 lag screws with a minimum of 1¼" embedment will be adequate and will include a sufficient factor of safety.
- 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.

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 1538 THIS PLAN HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY SCOTT WYSSLING, PE USING A DIGITAL SIGNATURE AND DATE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

No. 8155

No. 8155

Wyssling Consulting, PLLC
76 N Meadowbrook Drive Alpine UT 84004

Florida License # 8734912

Date Signed 2/8/2023





SCOPE OF WORK:

TO INSTALL A ROOF MOUNTED SOLAR PHOTOVOLTAIC SYSTEM AT THE OWNER RESIDENCE LOCATED AT 243 SOUTHWEST FANTASY GLEN, LAKE CITY, FL 32024.

SYSTEM DC RATING: 10.00 KWDC SYSTEM AC RATING: 7.26 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

2020 FFPC (7TH EDITION)

2018 NFPA 1 (FIRE CODE)

2017 NATIONAL ELECTRICAL CODE

2020 FLORIDA BUILDING CODE (7TH EDITION)

AUTHORITY HAVING JURISDICTION (AHJ): COUNTY OF COLUMBIA

BILL OF MATERIALS							
EQUIPMENT	QTY	DESCRIPTION					
SOLAR PV MODULE	25	Q.PEAK DUO BLK ML-G10+ 400					
MICROINVERTER	25	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	60A NON-FUSED AC DISCONNECT, 240V, NEMA 3R, UL LISTED					
POWER PERFECT BOX	1	(ES1PN), 120V/240V, NEMA 3X					





Date Signed 2/8/2023

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY SCOTT WYSSLING ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEAL, AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES



ATLANTIC KEY ENERGY LLC

12600 CHALLENGER PARKWAY SUITE 200 ORLANDO, FL 32826 1 (407) 988-0273



LUKE THOMPSON
RESIDENCE
PROJECT # P-0066029
243 SOUTHWEST FANTASY GLEN
LAKE CITY, FL 32024

SIGNATURE WITH SEAL

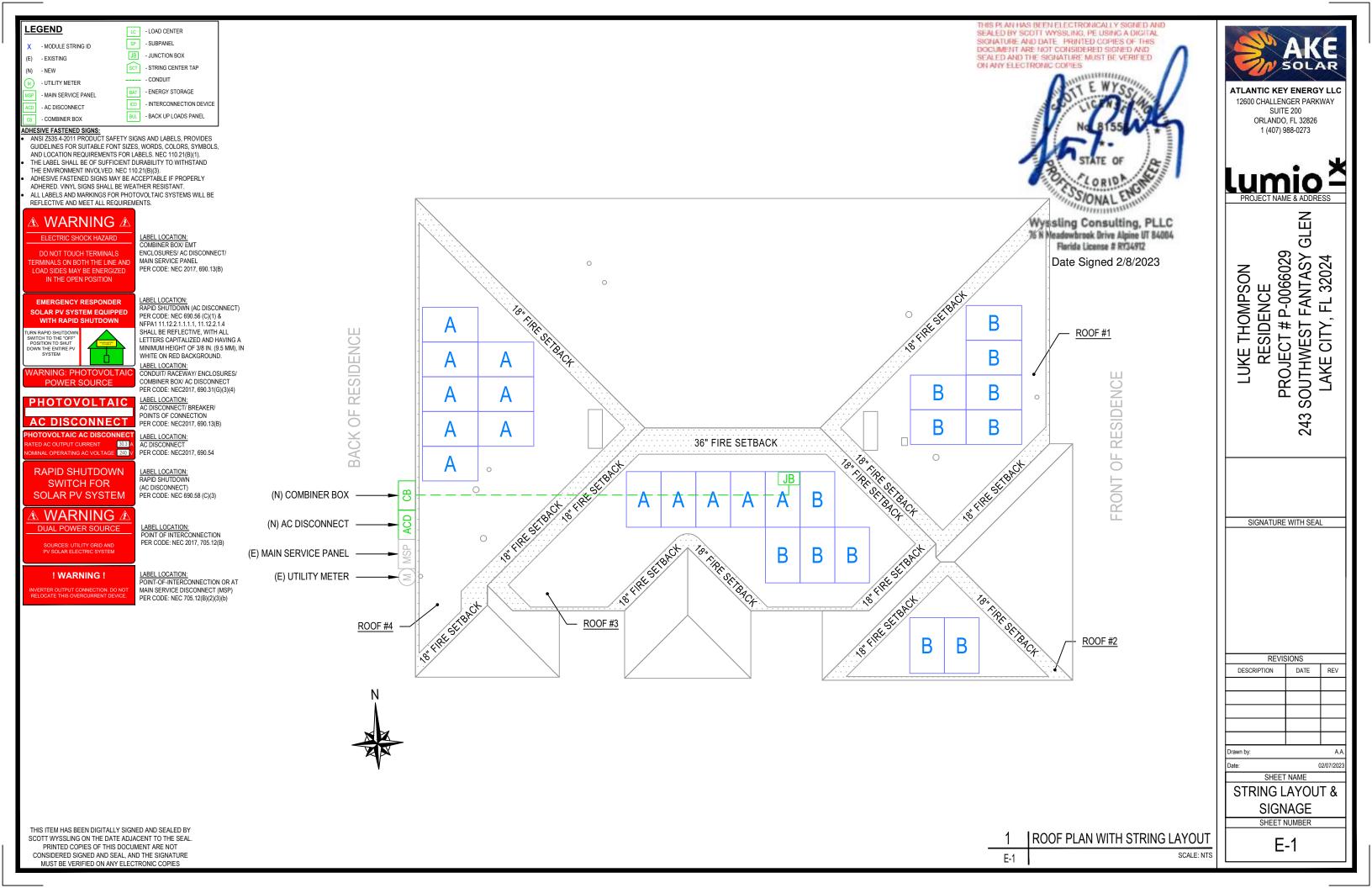
REVISIONS
DESCRIPTION DATE REV

Date: 02/07/2023

SHEET NAME
COVER SHEET &

BOM SHEET NUMBER

CS-0



ID	INITIAL CONDUCTOR LOCATION	FINAL CONDUCTOR LOCATION	MI	N. CONDUCTOR SIZE (AWG)	MIN. DIA CONDUIT SIZE (IN.)	# OF PARALLEL CIRCUITS	CURRENT-CARRYING CONDUCTORS IN CONDUIT	OCPD (A)		MIN. EGC SIZE (AWG)	TEMP. FAC		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	15.73	19.66	30	N/A	N/A	58.00	0.61
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	73.00	0.71
3	JUNCTION BOX	COMBINER BOX	10	THWN-2 COPPER	0.75 LTNM	2	4	20	10	THWN-2 COPPER	0.76	55°C	0.8	15.73	19.66	40	24.3	35	48.00	0.78
4	COMBINER BOX	AC DISCONNECT	8	THWN-2 COPPER	0.75 LTNM	1	3	N/A	10	THWN-2 COPPER	0.96	34°C	1	30.25	37.81	55	52.8	35	5.00	0.10
5	AC DISCONNECT	MSP	8	THWN-2 COPPER	0.75 LTNM	1	3	40	10	THWN-2 COPPER	0.96	34°C	1	30.25	37.81	55	52.8	35	5.00	0.10



ATLANTIC KEY ENERGY LLC 12600 CHALLENGER PARKWAY

SUITE 200 ORLANDO, FL 32826 1 (407) 988-0273



GLEN PROJECT # P-0066029 3 SOUTHWEST FANTASY G LAKE CITY, FL 32024 LUKE THOMPSON RESIDENCE 243

SIGNATURE WITH SEAL

REVISIONS DESCRIPTION DATE REV 02/07/2023

(E) - EXISTING (N) - NEW

-5°C

34°C

1.0"

55°C

DESIGN TEMPERATURE SPECIFICATIONS

RECORD LOW TEMP

CONDUIT HEIGHT

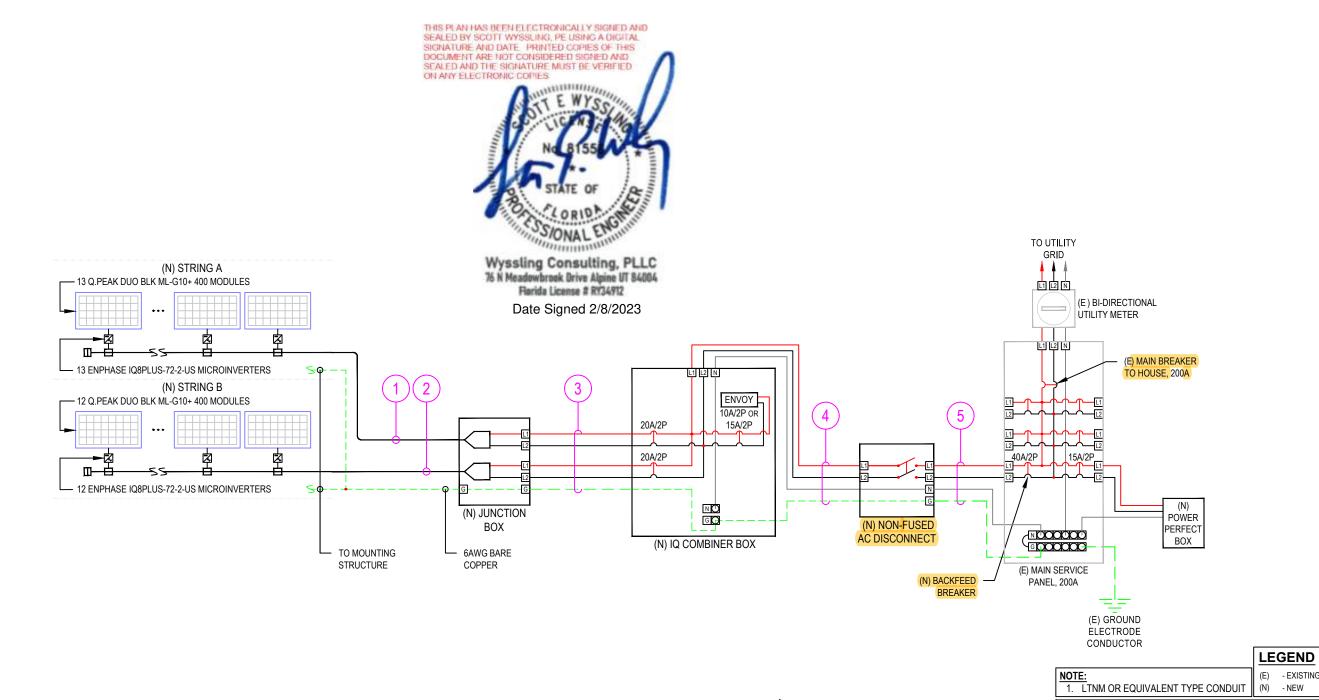
AMBIENT TEMP. (HIGH TEMP. 2%)

CONDUCTOR TEMP. RATE (ROOF)

SHEET NAME **ELECTRICAL LINE**

DIAGRAM & CALCS. SHEET NUMBER

E-2



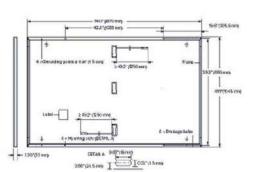
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY SCOTT WYSSLING ON THE DATE ADJACENT TO THE SEAL.
PRINTED COPIES OF THIS DOCUMENT ARE NOT
CONSIDERED SIGNED AND SEAL, AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

| ELECTRICAL LINE DIAGRAM

Q.PEAK DUO BLK ML-G10+ SERIES

■ Mechanical Specification

Format	74.0 in × 413 in × 1.26 in (including frame) (1879 inm × 1045 mm × 32 mm)
Weight	48.5 lbs (22.0 kg)
Front Cover	0:13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology
Back Cover	Composite film
Frame	Black anadised aluminium
Cell	6 × 22 monocrystalline QLANTUM solar half cells
Junction box	2.09-3.98 in × 1.26-2.36 in × 0.59-0.71 in (53-101 mm × 32-60 mm × 15-18 mm), IP67, with bypass diodes
Cable	4 mm² Solar cable; (+) ≥ 49.2 in (1250 mm), (-) ≥ 49.2 in (1250 mm)
Connector	Staubii MC4; IP68



■ Electrical Characteristics

P	OWER CLASS			385	390	395	400	405
М	NIMUM PERFORMANCE AT STANDARD	TEST CONDITIONS, ST	C! (POWER TOLERA	NCE+5W/-OW)				
	Power at MPP ⁴	Prov	[W]	385	390	395	400	405
25	Short Circuit Current ¹	l _{sc}	(A)	11.04	11.07	11.10	11.14	11.17
TITLE	Open Circuit Voltage ¹	Voc	(V)	45.19	45.23	45.27	45.3	45.34
finit	Current at MPP	Lygop	[A]	10.59	10,65	10.71	10.77	10,83
~	Voltage at MPP	Ver	[V]	36,36	36.62	36,88	37,13	37.39
	Efficiency ¹	η	[%]	≥19.6	≥19.9	≥20.1	≥20.4	≥20.6

MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NIMOTE

Power at M	PP	Page	[W]	288.8	292.6	296,3	3001	303.8
Short Circui	t Current	lsc	[A]	8,90	8.92	8.95	8.97	9.00
Open Circui	t Voltage	Voc	(V)	42.62	42.65	42.69	42.72	42.76
Ourrent at 8	/PP	Lupp	[A]	8.35	8.41	8.46	8.51	8.57
Voltage at I	MPP	V _{MP}	[V]	34.59	34.81	35.03	35.25	35.46

[&]quot;Measurement tolerances P_{mp} ±3%; I_{sc}: V_{oc} ±5% at STC: 1000 W/m², 25±2°C, AM 1.5 according to IEC 60904.3 • ²800 W/m², NMOT, spectrum AM 1.5

Qcells PERFORMANCE WARRANTY

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. Full warrantes in accordance with the warranty terms of the Qcells sales organisation of your respective

"Standard terms of guarantee for the 5 PV companies with the highest production capacity in 2021 (Fatherary 2021)

PERFORMANCE AT LOW IRRADIANCE

Typical module performance under low irradiance conditions in comparison to STC conditions (25°C, 1000Wm²).

TEMPERATURE COEFFICIENTS							
Temperature Coefficient of I _{sc}	a	[%/K]	+0.04	Temperature Coefficient of V _{cc}	β	[%/K]	-0.27
Temperature Coefficient of P	Y	[%/K]	-0.34	Naminal Module Operating Temperature	NMOT	(°F)	109±5.4 (43±3°C)

■ Properties for System Design

		-			
Maximum System Voltage	Vovs	[M]	1000 (IEC)/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 ²		[lbs/ff ²]	75 (3600 Pa) / 55 (2660 Pa)	Permitted Medule Temperature	-40°F up to +185°F
May Tartinad Durb (Duff)		Tibe tolt	#12 (E4000 Pe) (D4 (4000 Pe)	on Cantinuous Duty	(-40°C up to +85°C)

See Installation Manual

Qualifications and Certificates

UL 61730, CE-compliant, Quality Controlled PV - TUV Pheinland, IEC 612:15(2016, IEC 61730; 2016, U.S. Patent No. 9:893,215 (solar cells).









<u>acells</u>

IQ8 and IQ8+ Microinverters

INPUT DATA (DC)		108-60-2-03	109PLUS-72-2-US				
Commonly used module pairings*	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	v	27 - 37	29-45				
Operating range	٧	25 - 48	25 - 58				
Min/max start voltage	v	30 / 48	30 / 58				
Max input DC voltage	v	50	60				
Max DC current* [module isc]	А		15				
Overvoltage class DC port			1				
DC port backfeed current	mA		0				
PV array configuration		Ixl Ungrounded array; No additional DC side protection	n required; AC side protection requires max 20A per branch circuit				
OUTPUT DATA (AC)		108-60-2-85	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	ait*	16	13				
Total harmonic distortion			€5%				
Overvoltage class AC port			ш				
AC port backfeed current	mA		30				
Power factor setting			LO				
Grid-tied power factor (adjustable)		O.85 lea	ading - 0.85 lagging				
Peak efficiency	%	97.5	97.6				
CEC weighted efficiency	%	97	97				
Night-time power consumption	Wim.		60				
MECHANICAL DATA							
Ambient temperature range		-40°C to +6	60°C (-40°F to +140°F)				
Relative humidity range		4% to 1	100% (condensing)				
DC Connector type		MC4					
Dimensions (HxWxD)		212 mm (8.3") x 175 mm (6.9") x 30.2 mm (1.2")					
Weight		1.08 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				

NEMA Type 6 / outdoor

CA Rule 21 (UL 1741-SA), UL 62109-1, UL1741/IEEE1547, FCC Part 15 Class B, ICES-0003 Class B, CAN/CSA-C22.2 NO. 107.1-01

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 C22.1-2018 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.

Environ, category / UV exposure rating

Certifications

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

ATLANTIC KEY ENERGY LLC 12600 CHALLENGER PARKWAY

SUITE 200 ORLANDO, FL 32826 1 (407) 988-0273



GLEN P-0066029 FANTASY (, FL 32024 LUKE THOMPSON RESIDENCE PROJECT # F SOUTHWEST F LAKE CITY, 243

SIGNATURE WITH SEAL

REVISIONS DESCRIPTION DATE REV

02/07/2023

SHEET NAME **EQUIPMENT**

SPECIFICATIONS SHEET NUMBER

E-3

Enphase IQ Combiner 4/4C

MODEL NUMBER					
IQ Combiner 4 (X IQ-AM1 240-4)	IQ Combiner 4 with Emphase IQ Gateway printed circuit board for integrated revenue grade PV production metering (AN- 012.20 */- 0.5%) and consumption monitoring (+/- 2.5%). Includes a silver solar shield to match the IQ Battery system or IQ System Controller 2 and to deflect heat.				
IQ Combiner 4C (X-IQ-AM1-240-4C)	Q 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 (CELL MODEM-MT-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 - 40 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, 16A, Eaton BR210 Circuit breaker, 2 pole, 16A, Eaton BR215 Circuit breaker, 2 pole, 20A, Eaton BR220 Circuit breaker, 2 pole, 15A, Eaton BR2158 with hold down kit support Circuit breaker, 2 pole, 26A, Eaton BR2208 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 receptable for Power Line Carrier in IQ Combiner 4/4C (required for EPLC-01)				
XA-ENV-PC8A-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 bushar 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)	80A of distributed generation / 95A with IQ Gateway breaker included				
Production metering CT	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					
Dimensions (WxHxD)	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.				
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 sixing.				
Altitude	To 2000 meters (6,560 feet)				
INTERNET CONNECTION OPTIONS					
Integrated Wi-Fi	802.11b/g/n				
Cellular	CELLMODEM-M1-D6-SP-05, CELLMODEM-M1-06-AT-05 (4G based LTE-M1 cellular modem). Note that an Enphase Mobile Connect cellular modern is required for all Ensemble installations.				
Ethernet	Optional, 802.3, CatSE (or Cat 6) UTP Ethernet cable (not included)				
COMPLIANCE					
Compliance, Q 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 matering: accuracy class 2.5				
Compliance, Q Gateway	UL 60601-1/CANCSA 22.2 No. 61010-1				

To learn more about Enphase offerings, visit enphase.com

© 2021 Enphase Energy, All rights reserved. Enphase, the Enphase logo, IQ Combiner 4/4C, and other names are trademarks of Enphase Energy, Inc. Data subject to change. 10-21-2021



ATLANTIC KEY ENERGY LLC 12600 CHALLENGER PARKWAY SUITE 200 ORLANDO, FL 32826 1 (407) 988-0273



LUKE THOMPSON
RESIDENCE
PROJECT # P-0066029
243 SOUTHWEST FANTASY GLEN
LAKE CITY, FL 32024

SIGNATURE WITH SEAL

REVISIONS

DESCRIPTION DATE REV

Drawn by: A.A.

Drawn by: A.A.

Date: 02/07/2023

⊖ ENPHASE.

SHEET NAME
EQUIPMENT
SPECIFICATIONS

SHEET NUMBER

E-4