PV SYSYEM STRUCTURAL PLAN

Contractor is responsible to verify the fit of this array prior to installation. The solar module array shown is based on the field data provided by the contractor. Contractor shall contact the engineer if the array may not fit as projected. Satellite imagery shown may not correctly indicate potential current shading of property. Contractor is responsible to verify sun exposure and shading of installation prior to installation.

Engineer liability for error/omission/FBC 2020 (7th edition Florida Building Code) & NEC 2017 is limited by adequacy and accuracy of information provided to engineer by owner/contractor and by responsibilities per EJCDC® C-700, Standard General Conditions of the Construction Contract.

CODE

FBC 2020 (7TH EDITION) FLORIDA BUILDING CODE

I CERTIFY THAT THE SHEATHING & FRAMING OF THIS STRUCTURE WILL SAFELY ACCOMMODATE PV SYSTEM MOUNTING, RACKING, AND MODULES AND WITHSTAND WIND UPLIFT / LATERAL FORCES AND EQUIPMENT DEAD LOADS WITH THE CONDITION THAT CONTRACTOR'S INSTALLATION OF THE PV SYSTEM IS IN ACCORDANCE WITH THE INSTRUCTIONS ON THIS PLAN . THIS IS ATTESTED TO BY MY SIGNATURE AND SEAL ON THIS PLAN AT THE UPPER RIGHT.

INSTALLATION NOTES

- **THIS PAPER PLAN IS INTENDED TO PROVIDE THE ESSENTIAL INFORMATION NEEDED BY AHJ (AUTHORITY HAVING JURISDICTION) AND INSTALLERS.**
- THIS IS A COMBINED SET OF STRUCTURAL AND ELECTRICAL PLANS.
- SOLAR EQUIPMENT ADDS LESS THAN 4-PSF (UNFACTORED) GRAVITY LOAD TO STRUCTURE.
- SEE DRAWINGS & PHOTOS FOR MEANS & METHODS INFORMATION IN ADDITION TO THESE NOTES.
- THERE SHALL BE A PV MODULE TO RAIL MOUNTING CLAMP AT EVERY MODULE/RAIL CROSSING POINT WITH MINIMUM 4 CLAMPS PER MODULE.
- ADJOINING MODULES ON SAME RAIL SHALL SHARE CLAMPS.
- MODULES SHALL BE PORTRAIT OR LANDSCAPE AS SHOWN IN FIGURE 08.
- ROOF IS ASSUMED TO BE COMPLIANT WITH FBC (FLORIDA BUILDING CODE) AS OF TIME OF CONSTRUCTION.
- PV MOUNTING RAILS SHALL BE INSTALLED PERPENDICULAR TO ROOF FRAMING.
- THERE SHALL BE A MINIMUM OF TWO RAILS UNDER EACH PV MODULE.
- ROOF ATTACHMENT SPACING SHALL BE AS SHOWN IN FIGURE 08.
- CONTRACTOR SHALL NOT INSTALL ROOF ATTACHMENTS ON ROOF AREAS ABOVE OVERHANGS.
- RAILS SHALL NOT CANTILEVER BEYOND OUTSIDE END OF ROOF ATTACHMENT BY MORE THAN 1-FOOT.
- CONTRACTOR SHALL CHOOSE FROM THE TWO ATTACHMENT METHODS BELOW. RAILS SHALL ATTACH TO ROOF THRU L-FEL . . .
  - **A. (2) STAINLESS STEEL 304 5.0 mm. x 60 mm WOOD SCREWS INTO RAFTER OR TRUSS MEMBER**
  - **B. (5) STAINLESS STEEL 304 5.0 mm. x 60 mm WOOD SCREWS INTO ROOF SHEATHING**
- ROOF ATTACHMENTS SHALL BE FLASHED AS SHOWN HEREON.
- ALL FLASHINGS SHALL BE INSTALLED IN A BED OF PLENTIFUL FLORIDA PRODUCT CONTROL APPROVED (PCA) POLYURETHANE ROOF SEALANT.
- CONTRACTOR/INSTALLER SHALL COMPLY WITH OEM INSTALLATION INSTRUCTIONS.
- CONTRACTOR SHALL PROVIDE AHJ WITH ADDITIONAL INFORMATION AS REQUIRED.
- ENGINEER OF RECORD (EOR) PREFERS EMAIL COMMUNICATION: alper@iceli-pe.com

01 NOTES
SCALE: N/A

ASCE 7-16, 29.4.4

RISK II, EXPOSURE B, a= 4 FT., HIP ROOF, 27°<ROOF SLOP <45°, H_{MEAN} =15 FT., SLOPE = 30°		
V_{ULT} (MPH)	117	γ_E=1.0
q_h	17.0	γ_a=0.67
ROOF PRESSURES (PSF) (WORST CASE WIND FORCE IS UPLIFT)		**GCp**
ALL	5.7	0.50
1	-13.9	-1.22
2r	-16.6	-1.46
2e	-20.6	-1.81
3	-22.6	-1.99

- 20.46 kW DC SYSTEM.
- 66-65." X 40." PV MODULES.
- 1155 SF PV ARRAY INSTALLATION
- PV MODULE UPLIFT LOAD CAPACITY: 113 PSF (AS REPORTED BY MANUFACTURER)
- UNFACTORED AVERAGE ADDITIONAL GRAVITY LOAD: 2.5 PSF
- **TOTAL NUMBER OF ROOF ATTACHMENTS: 130**

ATC Hazards by Location

Search Information

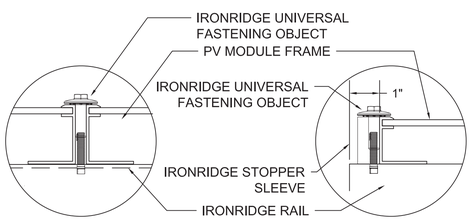
Address:	339 NW Ambleside Dr, Lake City, FL 32055, USA
Coordinates:	30.2126871, -82.674735
Elevation:	161 ft
Timestamp:	2021-07-14T20:04:29.490Z
Hazard Type:	Wind

ASCE 7-16		ASCE 7-10		ASCE 7-05	
MRI 10-Year	73 mph	MRI 10-Year	76 mph	ASCE 7-05 Wind Speed	100 mph
MRI 25-Year	82 mph	MRI 25-Year	84 mph		
MRI 50-Year	89 mph	MRI 50-Year	91 mph		
MRI 100-Year	96 mph	MRI 100-Year	97 mph		
Risk Category I	108 mph	Risk Category I	109 mph		
Risk Category II	117 mph	Risk Category II	118 mph		
Risk Category III	128 mph	Risk Category III-IV	128 mph		
Risk Category IV	⚠ 132 mph				

You are in a wind-borne debris region if you are also within 1 mile of the coastal mean high water line.

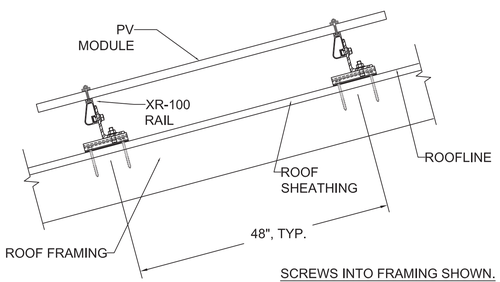
The results indicated here DO NOT reflect any state or local amendments to the values or any delineation lines made during the building code adoption process. Users should confirm any output obtained from this tool with the local Authority Having Jurisdiction before proceeding with design.

02 WIND CALCULATIONS
SCALE: N/A



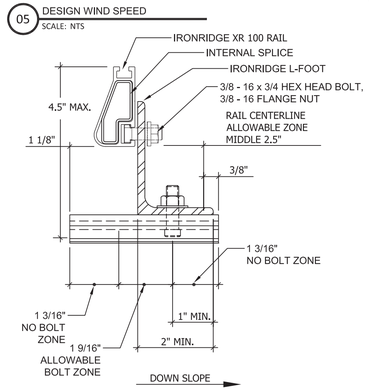
03 DETAIL, MID CLAMP FRONT
SCALE: NTS

04 DETAIL, END CLAMP FRONT
SCALE: NTS



SCREWS INTO FRAMING SHOWN.

06 MODULE, RAIL, ROOF ATTACHMENT CROSS SECTION
SCALE: NTS

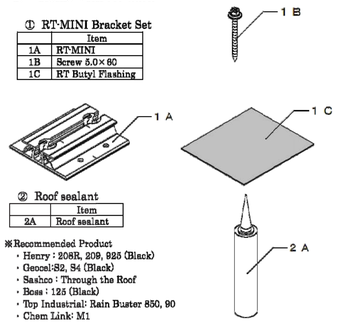


05 DESIGN WIND SPEED
SCALE: NTS

1. **Items with RT-MINI**

① RT-MINI Bracket Set

	Item
1A	RT-MINI
1B	Screw 5.0×60
1C	RT Butyl Flashing

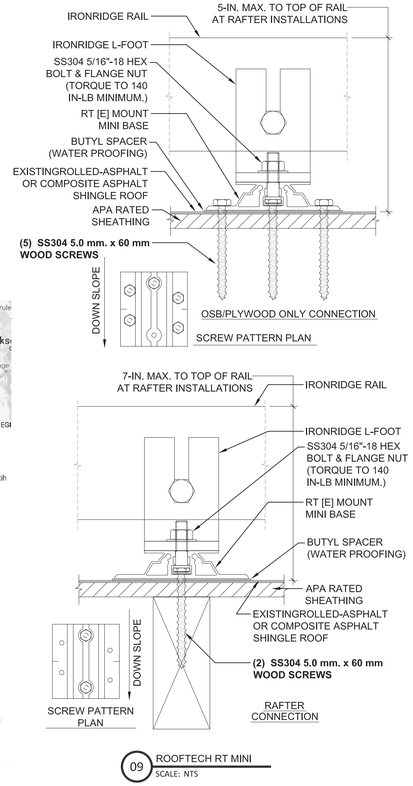


② Roof sealant

	Item
2A	Roof sealant

※Recommended Product
- Henry : 208R, 209, 925 (Black)
- Geocel:32, 34 (Black)
- Sashco : Through the Roof
- Boss : 125 (Black)
- Top Industrial: Rain Buster 850, 90
- Chem Link: M1

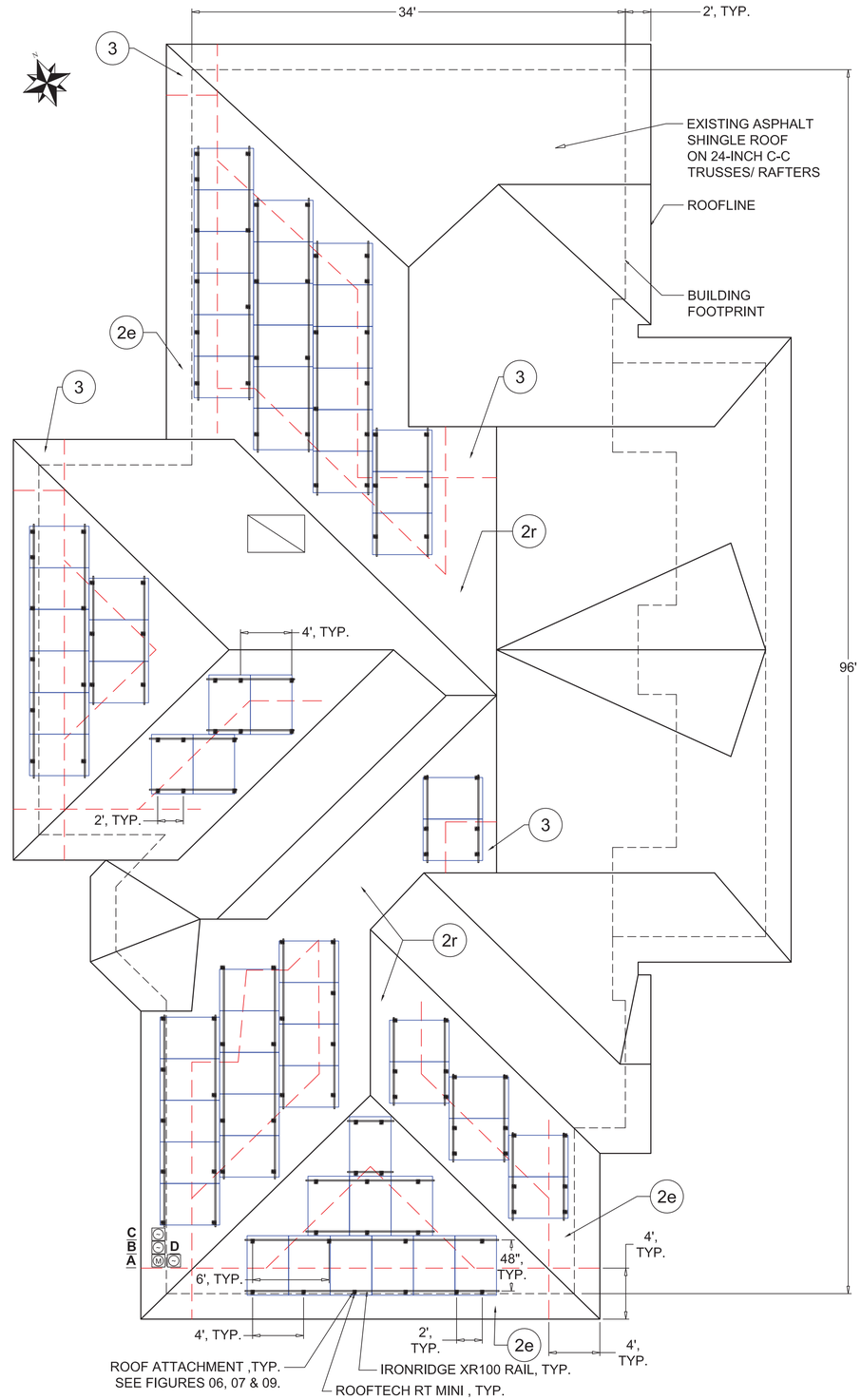
07 ROOF ATTACHMENT DETAIL
SCALE: NTS



09 ROOFTECH RT MINI
SCALE: NTS

A: ELECT. SVC. ENTRANCE
B: AC DISCONNECT
C: SUB-PANEL
D: MAIN SVC. PANEL

***PV MODULE DIMENSIONS ARE ADJUSTED IN LINE WITH THE ROOF PITCH**



08 PLAN VIEW
SCALE: 3/16" = 1'-0"

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ALPER ICELI LICENSE No. 90469 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Alper Iceli 2021.07.14 21:15:31-04'00'

NAME OF OWNER: SIGRIST BRYAN S
SIGRIST EMILY S
ADDRESS: 339 NW AMBLESIDE DR
LAKE CITY, FL 32055
PROPERTY ID#:24-3S-16-02275-138 (8136)

CONTRACTOR:

Sky Solar Energy Inc.
40415 Chancey Rd.
Unit #104 Zephyrhills,FL 33542
813-783-4464
EC 13010029

SKYSOLAR-SIGRIST

STRUCTURAL
JULY.14-21

PV SYSYEM ELECTRICAL PLAN

THIS PLAN IS CERTIFIED BY ENGINEER OF RECORD AS CODE COMPLIANT & APPROVED FOR FLORIDA USE IN ACCORDANCE WITH HB 1021 ON ELECTRICAL PLANS.
http://www.floridabuilding.org/fbc/thecode/2017-6edition/HB1021-Construction.pdf

SYSTEM: 66-PEIMAR SG310M (BF) PV MODULES 66-ENPHASE IQ7-60-2-US MICRO INVERTERS

CONTRACTOR SHALL COMPLY WITH SOLAR PROVISIONS 2018 NFPA 1.

1. DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS. CONTRACTOR RESPONSIBLE FOR COMPLYING WITH ALL LOCAL OR NATIONAL CODE REQUIREMENTS AND EQUIPMENT INSTALLATION INSTRUCTIONS.
2. ALL COMPONENTS MUST BE GROUNDED PER ARTICLES NEC (2017) 250 AND 690.
3. ALL EQUIPMENT SHALL BE LISTED PER NEC 690.4(B).
4. PER NEC 690.17, PROVIDE A WARNING SIGN AT ALL LOCATIONS WHERE TERMINALS OF THE DISCONNECTING MEANS MAY BE ENERGIZED IN THE OPEN POSITION. SIGN SHALL READ "WARNING- ELECTRIC SHOCK HAZARD- DO NOT TOUCH TERMINALS- OR EQUIVALENT.
5. PER NEC 690.56, PROVIDE A PERMANENT PLAQUE OR DIRECTORY SHOWING ALL ELECTRIC POWER SOURCES ON THE PREMISES AT SERVICE ENTRANCE.
6. INTERCONNECTION METHOD SHALL COMPLY WITH NEC (2017) 705.12.
7. PV PERFORMANCE METER MAY OR MAY NOT BE REQUIRED BY THE AHJ AND/OR UTILITY FOR INTERCONNECTION.
8. WIRE SIZE ASSUMES THAT CONDUIT WILL BE RUN IN ATTIC SPACE OR LESS THAN 10' IS EXPOSED TO SUNLIGHT PER NEC (2017) 310.10. Exception: Where different ampacities apply to portions of a circuit, the higher ampacity shall be permitted to be used if the total portion(s) of the circuit with lower ampacity does not exceed the lesser of 3.0 m (10 ft) or 10 percent of the total circuit, NEC (2017) 310.15 (2).
9. UTILITY CONNECTION SHALL BE MADE BY LINE-SIDE TAP PER NEC ARTICLE 705.12(B)(2) LOCATED WITHIN CODE COMPLIANT ENCLOSURE.
10. AN OPTION FOR A SINGLE CIRCUIT BRANCH TO BE SPLIT INTO TWO SUB-CIRCUIT BRANCHES IS ACCEPTABLE.
11. ALL CONDUCTORS MUST BE COPPER.
12. ALL CONDUCTORS MUST BE COPPER, RATED FOR 600 V, 90 C° WET ENVIRONMET, TERMINALS ARE RATED FOR 75 C°.
13. ALL CONDUCTORS AND RACEWAYS SHALL BE SUPPORTED ON INTERVALS AND BY METHODS REQUIRED BY THE NEC (2017).
14. CONTRACTOR SHALL PROVIDE ADDITIONAL INFORMATION IF REQUIRED BY AHJ.
15. EOR PREFERS EMAIL COMMUNICATIONS alper@iceli-pe.com

01 ELECTRICAL NOTES. SCALE:NTS

VOLTAGE DROP CALCULATIONS (66 PV MODULES)										
VD=2*L*R*I / 1000										
BRANCH	MODULES	WIRE RUN	Vmp	Imp (AMPS)	R (ohms)	L (ft)	VD	%VD	AWG WIRE SIZE	OCPD(AMPS)
#1 TO #6	11	BRANCH TO J-BOX	240	11.00	2.01	50	2.21	0.92	ENPHASE Q CABLE	N/A
#1 TO #6	11	J-BOX TO SUB-PANEL	240	11.00	1.260	30	0.83	0.35	#10	6x15
	66	SUB-PANEL TO AC DISCONNECT	240	66.00	0.321	10	0.42	0.18	#4	100
	66	AC DISCONNECT TO INTERCONNECTION	240	66.00	0.321	5	0.21	0.09	#4	N/A

PV MODULE RATINGS		
MODULE MAKE	PEIMAR	
MODULE MODEL	SG310M BF	
MAX. POWER	310	W
OPEN CIRCUIT VOLTAGE	40.7	V
VOLTAGE AT MPP	32.6	V
CURRENT AT MPP	9.51	A
SHORT CURCUIT CURRENT	9.8	A

INVERTER RATINGS		
INVERTER MAKE	ENPHASE	
INVERTER MODEL	IQ7-60-2-US	
MAX. OUTPUT POWER	240	VA
MAX. DC VOLTAGE	48	V
NOMINAL AC VOLTAGE	240	V
MAX. AC CURRENT	1.0	A
CEC INVERTER EFFICIENCY	97	%

SUB-PANEL PV BREAKER SIZE	
NUMBER OF MODULES	COMBINER BREAKER PER BRANCH
ALL STRINGS	15 A

PHOTOVOLTAIC DC PER INVERTER		
RATED MPP CURRENT	9.5	A
RATED MPP VOLTAGE	32.6	V
MAX. DC VOLTAGE (INVERTER)	48	V
MAX INPUT SHORT CURCUIT CURRENT	9.8	A

PHOTOVOLTAIC AC OUTPUT		
NOMINAL AC VOLTAGE	240	V
66 MOD. AC OUTPUT CURRENT	66	A

IN CASE OF EMERGENCY CALL SKYSOLAR, INC.
(813) 783-4464
LABEL PLACEMENT: PV AC DISCONNECT,INTERCONNECTION, MAIN PANEL

PV AC DISCONNECT
V_{OPT} : 240 V
I_{OPT} : 66 A
LABEL PLACEMENT: PV AC DISCONNECT

WARNING: PHOTOVOLTAIC POWER SOURCE

MARKING AND LABELING REQUIREMENTS:
Markings shall comply with NEC (2017) 690.51 through 690.72 and shall be placed on ALL interior and exterior DC conduit, raceways, enclosures, and cable assemblies at least every 10 feet; at turns and above/below penetrations and all junction boxes.

EMERGENCY RESPONDER
THIS SOLAR PV SYSTEM IS EQUIPPED WITH RAPID SHUTDOWN
TURN RAPID SHUTDOWN SWITCH TO THE 'OFF' POSITION TO SHUT DOWN THE ENTIRE PV SYSTEM.
SOLAR ELECTRIC PV PANELS
NFPA 111.12.2.1.1.1.1,11.12.2.1.4 AND NEC 690.56(C)(1)
LABEL PLACEMENT: PV AC DISCONNECT,INTERCONNECTION, MAIN SERVICE PANEL

WARNING
ELECTRICAL SHOCK HAZARD.
IF A GROUND FAULT IS INDICATED, NORMALLY GROUNDED CONDUCTORS MAY BE UNGROUNDED AND ENERGIZED.
LABEL PLACEMENT: COMBINER & INVERTER

WARNING
ELECTRICAL SHOCK HAZARD.
DO NOT TOUCH TERMINALS.
TERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION.
LABEL PLACEMENT: AC DISCONNECT, NEAR BREAKER, (FRONT OF PANEL / DEAD FRONT)

WARNING
DUAL POWER SOURCES.
SECOND SOURCE IS PHOTOVOLTAIC SYSTEM.
LABEL PLACEMENT: MAIN PANEL NEAR METER

WARNING
V_{MAX} : 264 V
V_{MPP} : 240 V
$I_{MPP1\ TO\ MPP6}$: 11 A
LABEL PLACEMENT: COMBINER BOX

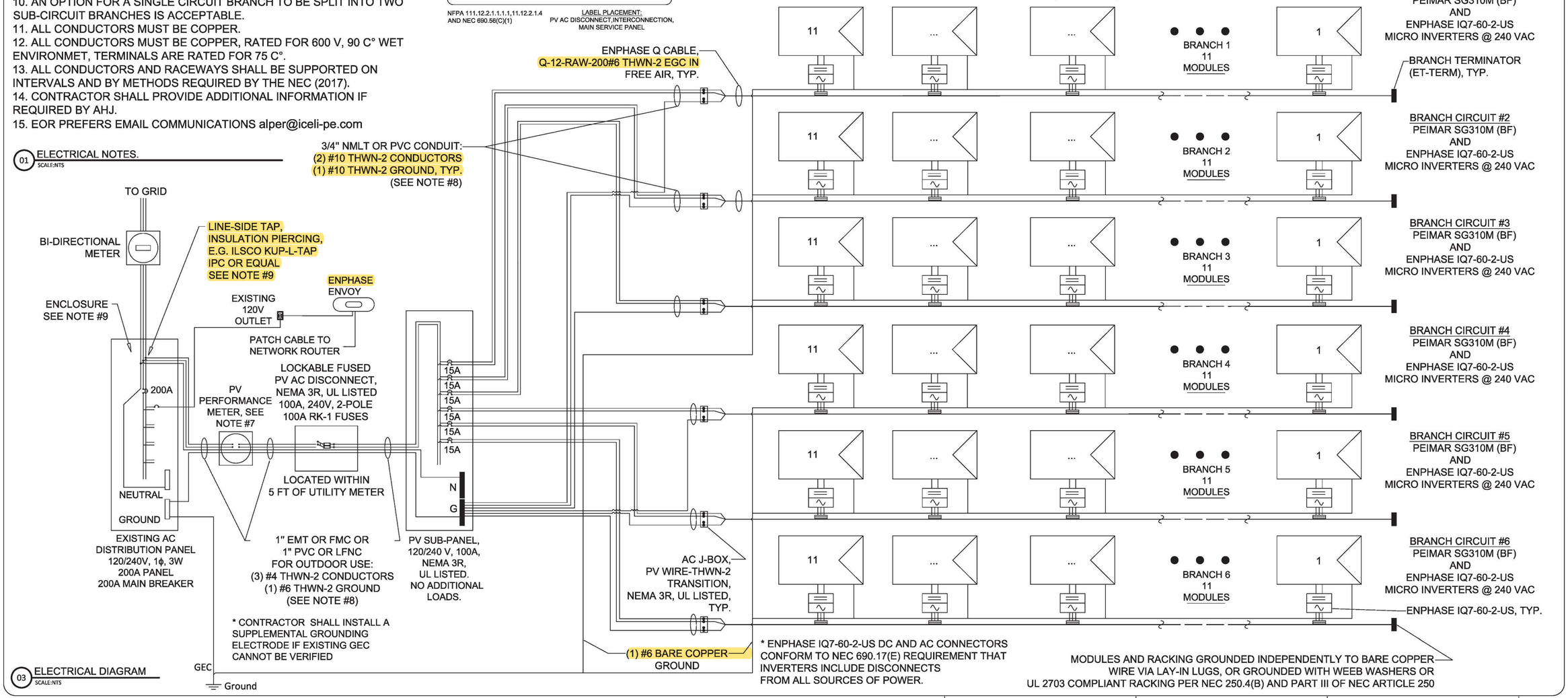
WARNING
ELECTRICAL SHOCK HAZARD.
NO USER-SERVICABLE PARTS INSIDE.
CONTACT AUTHORIZED SERVICER FOR ASSISTANCE.
LABEL PLACEMENT: AC DISCONNECT, PCP

PHOVOLTAIC POWER SOURCE
LABEL PLACEMENT: RACEWAY & COMBINER BOX

NEC 2017, TABLE C.3 MAXIMUM NUMBER OF CONDUCTORS OR FIXTURE WIRES IN FLEXIBLE METAL CONDUIT(FMC)

NEC 2017, TABLE C.5 MAXIMUM NUMBER OF CONDUCTORS OR FIXTURE WIRES IN LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT (TYPE LFNC-B*)

NEC 2017, TABLE C.11 MAXIMUM NUMBER OF CONDUCTORS OR FIXTURE WIRES IN RIGID PVC CONDUIT, SCHEDULE 40 AND HDPE CONDUIT (TYPE PVC SCH. 40)



03 ELECTRICAL DIAGRAM SCALE:NTS

* ENPHASE IQ7-60-2-US DC AND AC CONNECTORS CONFORM TO NEC 690.17(E) REQUIREMENT THAT INVERTERS INCLUDE DISCONNECTS FROM ALL SOURCES OF POWER.

MODULES AND RACKING GROUNDED INDEPENDENTLY TO BARE COPPER WIRE VIA LAY-IN LUGS, OR GROUNDED WITH WEEB WASHERS OR UL 2703 COMPLIANT RACKING PER NEC 250.4(B) AND PART III OF NEC ARTICLE 250

NATIONAL ELECTRICAL CODE, NEC (2017)
ENGINEER

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ALPER ICELI LICENSE No. 90469 STATE OF FLORIDA PROFESSIONAL ENGINEER

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SIGRIST EMILY S
ADDRESS: 339 NW AMBLESIDE DR
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PROPERTY ID#:24-3S-16-02275-138 (8136)

CONTRACTOR:

Sky Solar Energy Inc.
40415 Chancey Rd.
Unit #104 Zephyrhills,FL
33542
813-783-4464
EC 13010029

SKYSOLAR-SIGRIST

ELECTRICAL
JULY.14-21

HIGH-EFFICIENCY LINE

ELECTRICAL CHARACTERISTICS (STC)*

	SG310M (BF)
Nominal Output (Pmax)	310 W
Flash Test Power Tolerance	0/+5 W
Voltage at Pmax (Vmp)	32.6 V
Current at Pmax (Imp)	9.51 A
Open Circuit Voltage (Voc)	40.7 V
Short Circuit Current (Isc)	9.8 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	15 A
Module Efficiency	19.05%

MECHANICAL CHARACTERISTICS

Solar Cells	60 (6x10) monocrystalline ***PERC***
Solar Cells Size	156x156 mm / 6x6"
Front Cover	3.2 mm / 0.12" thick, low iron tempered glass
Back Cover	TPT (Tedlar-PET-Tedlar)
Encapsulant	EVA (Ethylene vinyl acetate)
Frame	Anodized aluminium alloy, double wall
Frame finishing	Black
Backsheet finishing	White
Diodes	3 Bypass diodes serviceable
Junction Box	IP67 rated
Connector	MC4 or compatible connector
Cables Length	900 mm / 35.4"
Cables Section	4.0 mm² / 0.006 in²
Dimensions	1640x992x40 mm / 64.5x39x1.57"
Weight	18 Kg / 39.7 lbs
Max. Load	Certified to 5400 Pa

TEMPERATURE CHARACTERISTICS

NOCT**	45±2 °C
Temperature Coefficient of Pmax	-0.40 %/°C
Temperature Coefficient of Voc	-0.32 %/°C
Temperature Coefficient of Isc	0.047 %/°C
Operating Temperature	-40 °C ~ +85°C

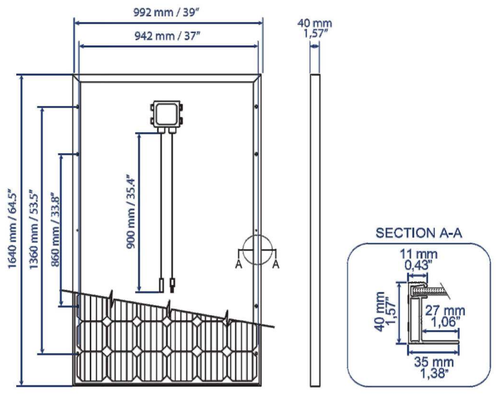
PACKAGING***

Pallet dimensions	1700x1200x1200 mm / 67x47x47"
Pieces per pallet	27
Weight	516 Kg / 1138 lbs

CERTIFICATIONS

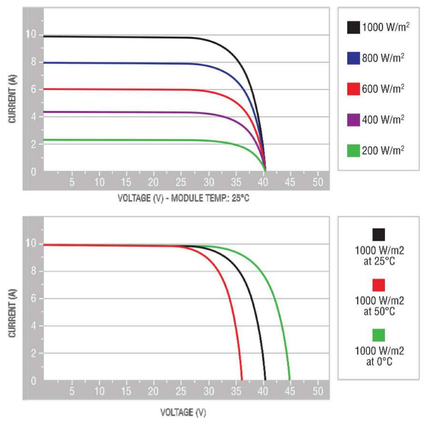
Fire Resistance Rating	Class C (for ULC/ORD-C1703-01)
Module fire performance	Type 1 (for UL 1703)

DIMENSIONS



CURRENT/VOLTAGE CHARACTERISTICS

Values apply to modules: SG310M (BF)



*STC: (Standard Test Condition) Irradiance 1000W/m²; Module Temperature 25°C; Air Mass 1.5

**NOCT: (Nominal Operation Cell Temperature) Sun 800W/m²; Air 20°C; Wind speed 1m/s

***Pallets can be stacked up to two

It is important to point out, that all technical specifications, information and figures contained in this datasheet are estimated values. Peimar reserves the right to change the technical specifications, information and figures contained in this document at any time without notice.

US_VER8 1_02/2019

PEIMAR
ITALIAN PHOTOVOLTAIC MODULES

Via Creta 72, 25124 Brescia, ITALY • www.peimar.com • info@peimar.com

01 PV MODULE SPEC. SHEET
SCALE: N/A

Enphase IQ 7 and IQ 7+ Microinverters

INPUT DATA (DC)	IQ7-60-2-US	IQ7PLUS-72-2-US
Commonly used module pairings[1]	235 W - 350 W +	235 W - 440 W +
Module compatibility	60-cell/120 half-cell PV modules only	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 backfeed 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	

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 (L-L) voltage/range[2]	240 V / 211-264 V	208 V / 183-229 V	240 V / 211-264 V	208 V / 183-229 V
Maximum continuous output current	1.0 A (240 V)	1.15 A (208 V)	1.21 A (240 V)	1.39 A (208 V)
Nominal frequency	60 Hz		60 Hz	
Extended frequency range	47 - 68 Hz		47 - 68 Hz	
AC short circuit fault current over 3 cycles	5.8 Arms		5.8 Arms	
Maximum units per 20 A (L-L) branch circuit[3]	16 (240 VAC)	13 (208 VAC)	13 (240 VAC)	11 (208 VAC)
Overvoltage class AC port	III		III	
AC port backfeed current	18 mA		18 mA	
Power factor setting	1.0		1.0	
Power factor (adjustable)	0.85 leading ... 0.85 lagging		0.85 leading ... 0.85 lagging	
EFFICIENCY	**@240 V**	**@208 V**	**@240 V**	**@208 V**
Peak efficiency	97.6 %	97.6 %	97.5 %	97.3 %
CEC weighted efficiency	97.0 %	97.0 %	97.0 %	97.0 %

MECHANICAL DATA	
Ambient temperature range	-40°C to +65°C
Relative humidity range	4% to 100% (condensing)
Connector type	MC4 (or Amphenol H4 UTX with additional Q-DCC-5 adapter)
Dimensions (HxWxD)	212 mm x 175 mm x 30.2 mm (without bracket)
Weight	1.08 kg (2.38 lbs)
Cooling	Natural convection - No fans
Approved for wet locations	Yes
Pollution degree	PD3
Enclosure	Class II double-insulated, corrosion resistant polymeric enclosure
Environmental category / UV exposure rating	NEMA Type 6 / outdoor

FEATURES	
Communication	Power Line Communication (PLC)
Monitoring	Enlighten Manager and MyEnlighten monitoring options. Both options require installation of an Enphase IQ Envoy.
Disconnecting means	The AC and DC connectors have been evaluated and approved by UL for use as the load-break disconnect required by NEC 690.
Compliance	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 C22.1-2015 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according manufacturer's instructions.

1. No enforced DC/AC ratio. See the compatibility calculator at https://enphase.com/en-us/support/module-compatibility.
2. Nominal voltage range can be extended beyond nominal if required by the utility.
3. Limits 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**

ENPHASE.

02 INVERTER SPEC. SHEET
SCALE: N/A

NATIONAL ELECTRICAL CODE, NEC (2017)

ENGINEER

ALPER ICELI
FL 90469

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LAND O LAKES, FL 34638
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NAME OF OWNER: SIGRIST BRYAN S
SIGRIST EMILY S
ADDRESS: 339 NW AMBLESIDE DR
LAKE CITY, FL 32055
PROPERTY ID#:24-3S-16-02275-138 (8136)

CONTRACTOR:

Sky Solar Energy Inc.
40415 Chancey Rd.
Unit #104 Zephyrhills,FL 33542
813-783-4464
EC 13010029

SKYSOLAR-SIGRIST

DATA
JULY.14-21