

ELECTRICAL RESIDENTIAL 910-893-7525

PERMIT NUMBER ERES2209-0006

www.harnett.org

JOB ADDRESS: 154 SOUTHERN PLPERMIT SUBTYPE: RESIDENTIAL SOLAR PANELSPARCEL NO: 0527-47-8901.000DESCRIPTION: roof mounted solar panelsDATE ISSUED: 9/13/2022DATE EXPIRED:PLAN NAME:ZONING DISTRICT: RA-30 - 0.65 acres (100.0%)

| APPLICANT: Sigora Solar | PHONE: (434)465-6788 |
|---|-----------------------------------|
| 1222 Harris Street Charlottesville, VA 22903 | EMAIL: permitting@sigorasolar.com |
| CONTRACTOR: Sigora Solar | PHONE: (434)465-6788 |
| 1222 Harris Street Charlottesville, VA 22903 | EMAIL: permitting@sigorasolar.com |
| OWNER: KING CALEB A | PHONE: |
| 154 SOUTHERN PL LILLINGTON, NC 27546 LILLINGTON, NC 27546 | EMAIL: |

| REQUIRED INSPECTIONS | | | | | | |
|----------------------|----------|------|----------|--|--|--|
| INSPECTION TYPE | APPROVAL | DATE | COMMENTS | | | |
| FINAL** | | | | | | |
| ROUGH IN | | | | | | |



September 23, 2022

Sigora Solar LLC 490 Westfield Road STE A Charlottesville, VA 22901

> Re: Engineering Services (Post-Install) King Residence 154 Southern Place, Lillington NC 12.400 kW System

To Whom It May Concern:

I certify that Jairo A. Rios has surveyed the rafters/trusses at 154 Southern Place, Lillington NC. There are no broken rafters or trusses, and appear to be in good condition. As you are aware, this office initially prepared a structural assessment, dated April 28, 2022, of the solar panel installation. This installation was inspected and found to be in compliance with the layout plan as specified in our report, product installation criteria, and the requirements of the current building code. We have determined that the equipment will not create a negative impact on the building's structural design, including any additional loads imposed (dead, snow, wind).

This letter pertains only to the panel support attachments to the roof framing and not the engineered photovoltaic panel products, components, or electrical-related installations/connections.

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

Jon E. Wysel

Scott E. Wyssling, PE North Carolina Licence Pp. 46546

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





Sigora Solar LLC 490 Westfield Road STE A Charlottesville, VA 22901 August 25, 2022

PF"

Scott Wyssling, PE Digitally signed by Scott Wyssling, PE DN: C=US, S=Utah, L=Alpine, O=Wyssling Consulting, OU=Engineering, CN="Scott Wyssling,

E=swyssling@wysslingconsulting.com Reason: I am the author of this document Location: your signing location here Date: 2022.08.25 16:18:20-06'00' Foxit PDF Editor Version: 11.1.0

Re: Engineering Services King Residence 154 Southern Place, Lillington NC 12.400 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 2x6 dimensional lumber.Roof Material:Composite Asphalt Shingles
26 degreesAttic 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 = 15 psf
 - Wind Load based on ASCE 7-10
 - Ultimate Wind Speed = 120 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 North Carolina Residential Code (2018), 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 ⁵/₁₆" lag screw is 235 lbs per inch of penetration as identified in the National Design Standards (NDS) of timber construction specifications. Based on a minimum penetration depth of 2¹/₂", 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 one ⁵/₁₆" diameter lag screw with a minimum of 2¹/₂" 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 centers.
- 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 North Carolina Residential Code, current industry standards, 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.

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Scott E. Wyssling, PE North Carolina Licence D. 46546

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



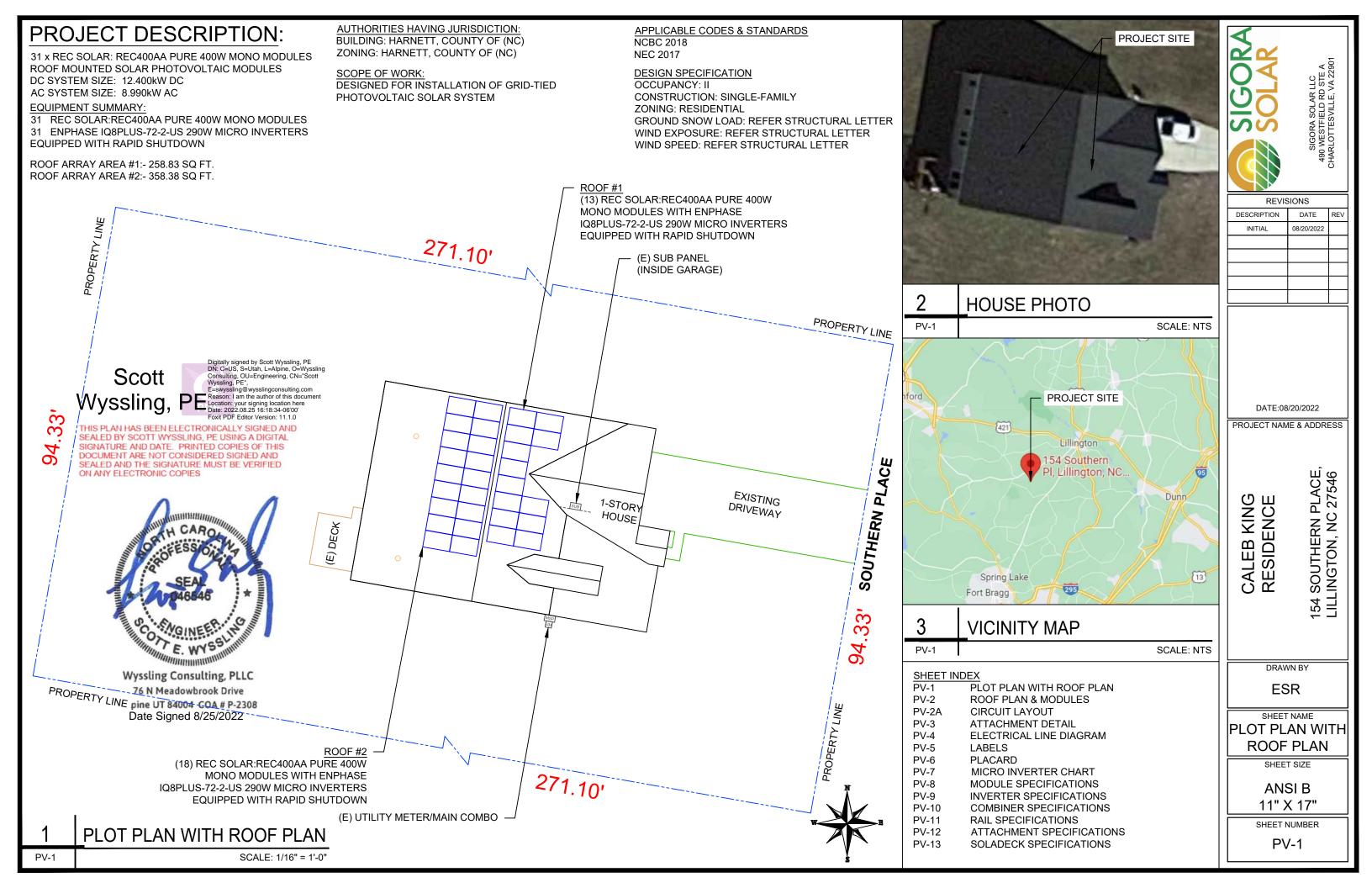
Wyssling Consulting, PLLC 76 N Meadowbrook Drive Alpine UT 84004 COA # P-2308 Date Signed 8/25/2022 Scott Wysslin g, PE

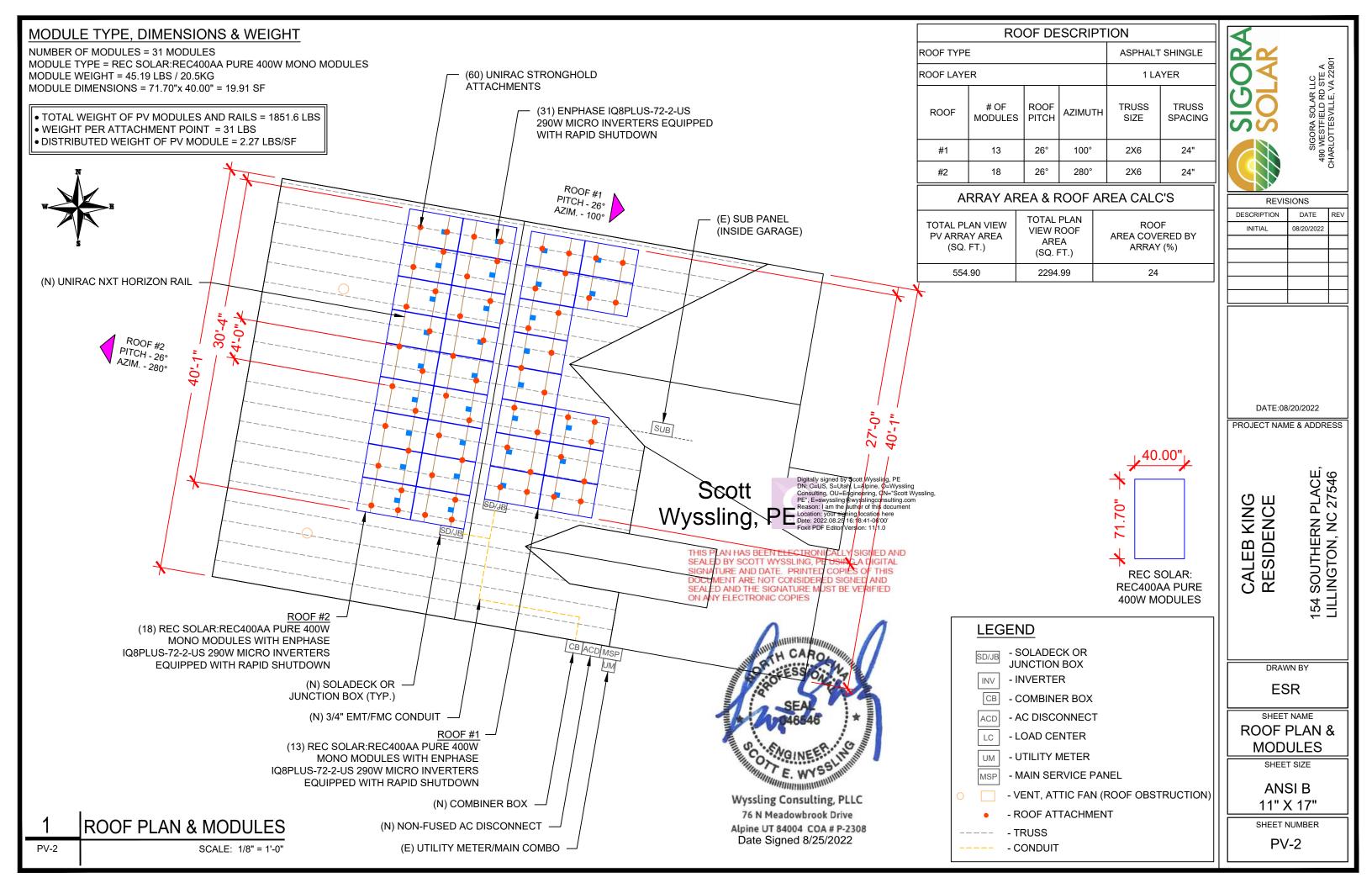
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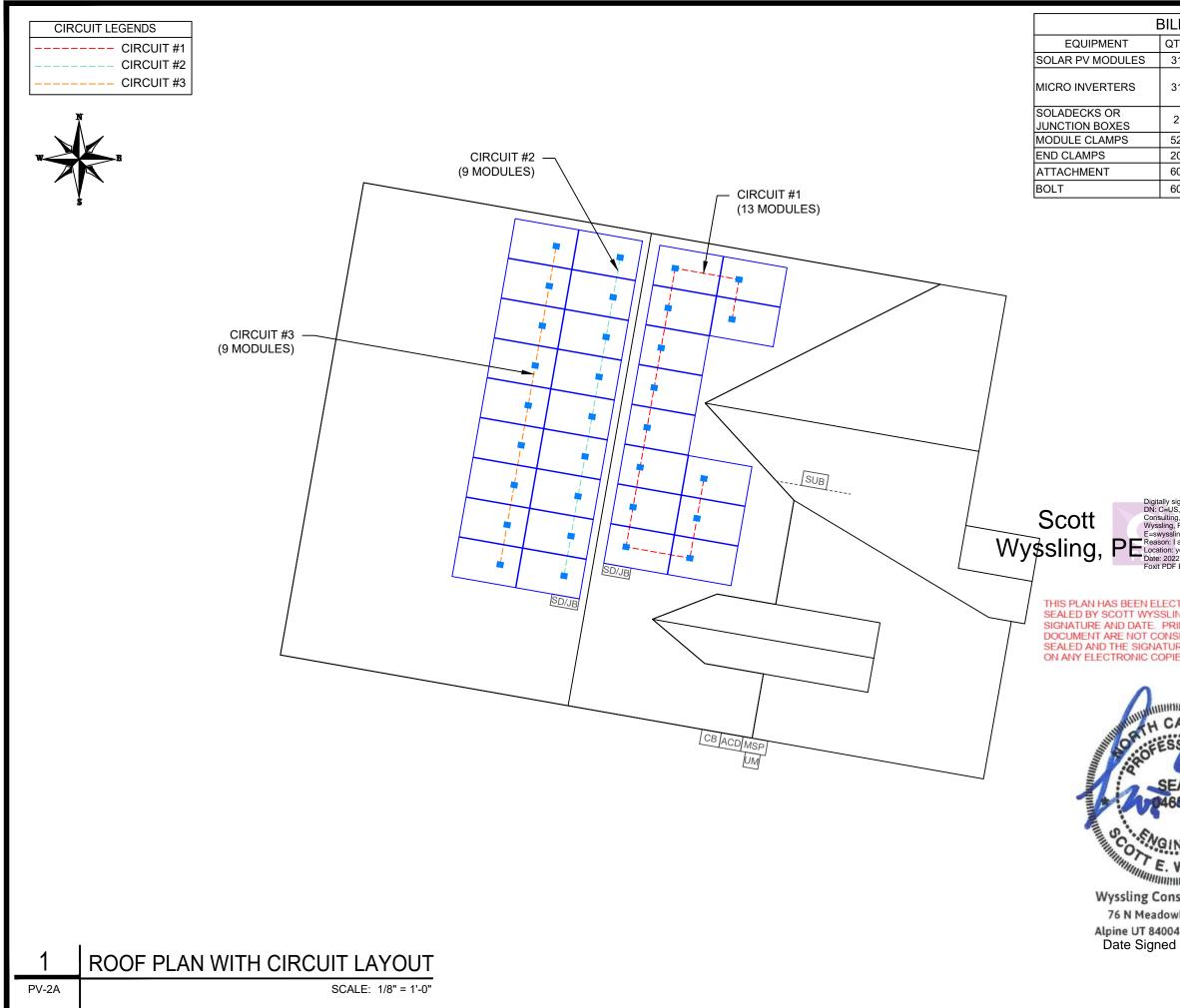
Reason: I am the author of this document

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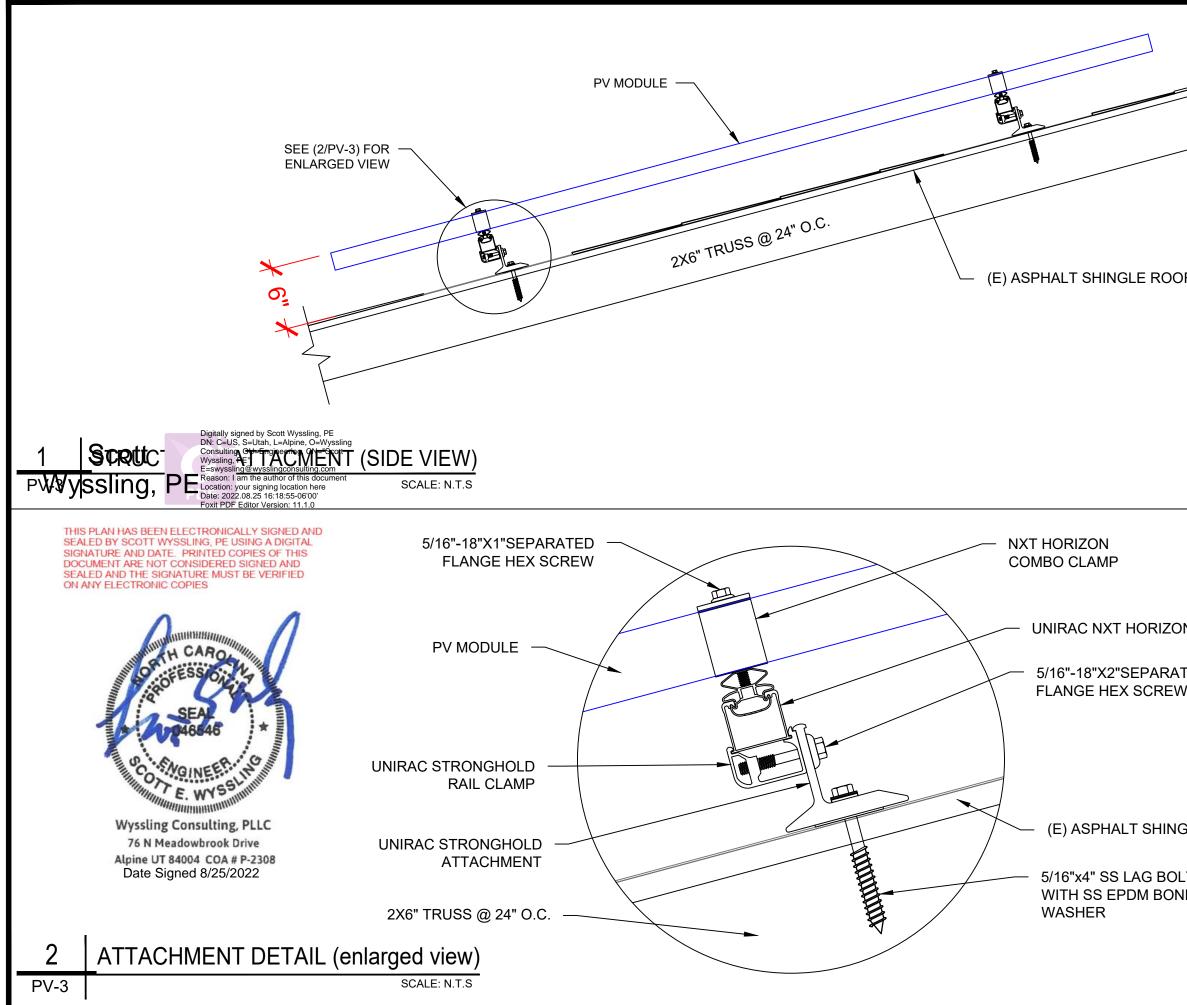




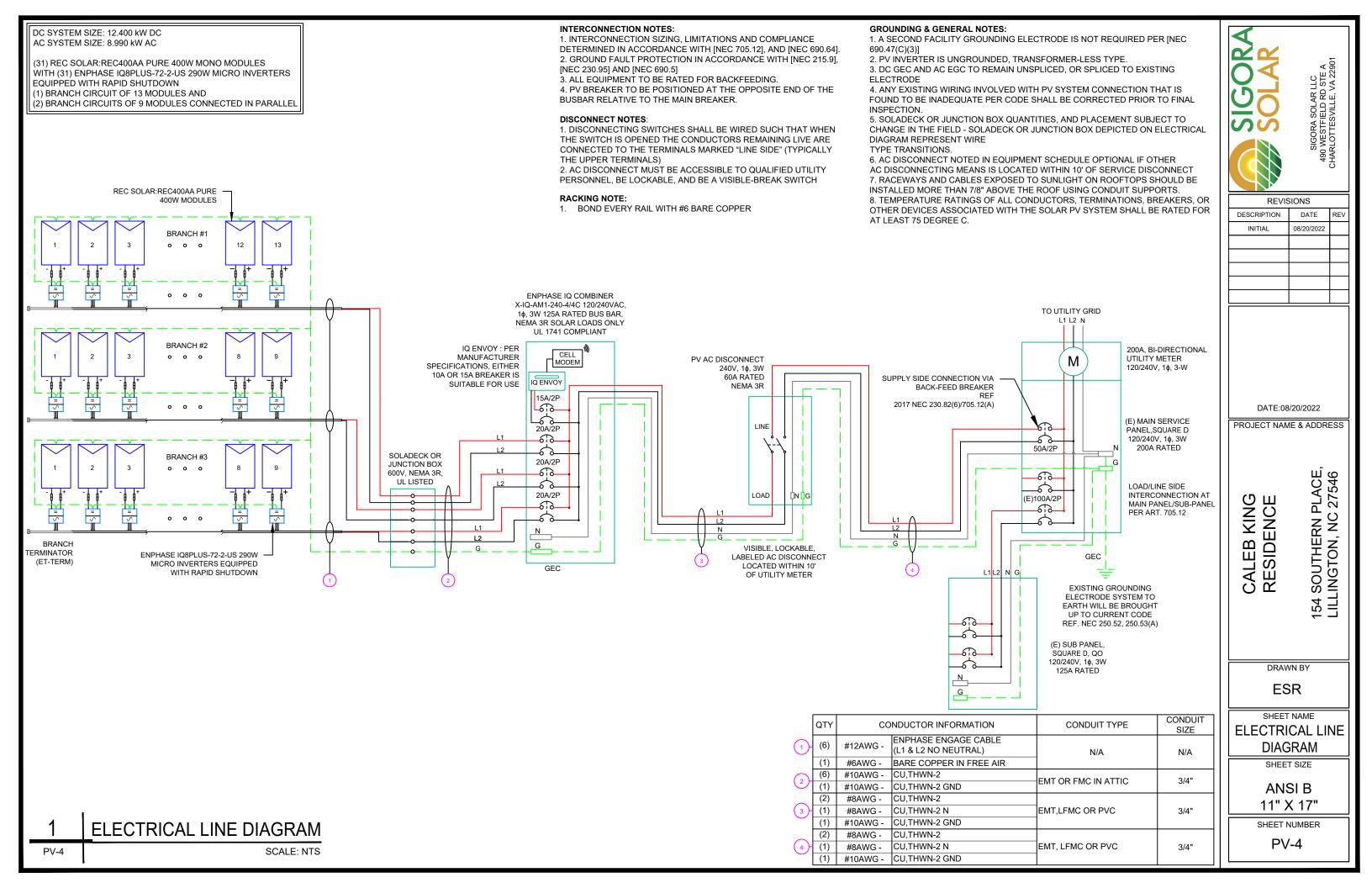




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| | - | ENPHASE IQ8PLUS-72-2-US 290W MICRO | | A 22 | |
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WARNING: PHOTOVOLTAIC **POWER SOURCE**

LABEL 1

AT DIRECT-CURRENT EXPOSED RACEWAYS, CABLE TRAYS, COVERS AND ENCLOSURES OF JUNCTION BOXES, AND OTHER WIRING METHODS; SPACED AT MAXIMUM 10FT SECTION OR WHERE SEPARATED BY ENCLOSURES, WALLS, PARTITIONS, CEILINGS, OR FLOORS.

NEC 690.31(G)(3&4) (NOT USED FOR ENPHASE MICROINVERTERS)

PHOTOVOLTAIC

LABEL 2

DCDISONNECT

AT EACH PV DISCONNECTING MEANS NEC 690.13(B) (NOT USED FOR ENPHASE MICROINVERTERS)

WARNING INVERTER OUTPUT CONNECTION DO NOT RELOCATE THIS OVERCURRENT DEVICE

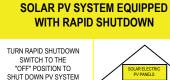
WARNING: DUAL POWER SOURCE

SECOND SOURCE IS PHOTOVOLTAIC SYSTEM

MAXIMUM VOLTAGE MAXIMUM CIRCUIT CURRENT MAX RATED OUTPUT CURRENT OF THE CHARGE CONTROLLER OR DC-TO-DC CONVERTER FINSTALLED)

LABEL 3

AT DC PV SYSTEM DISCONNECT NEC 690.53 (NOT USED FOR ENPHASE MICROINVERTERS)



AND REDUCE

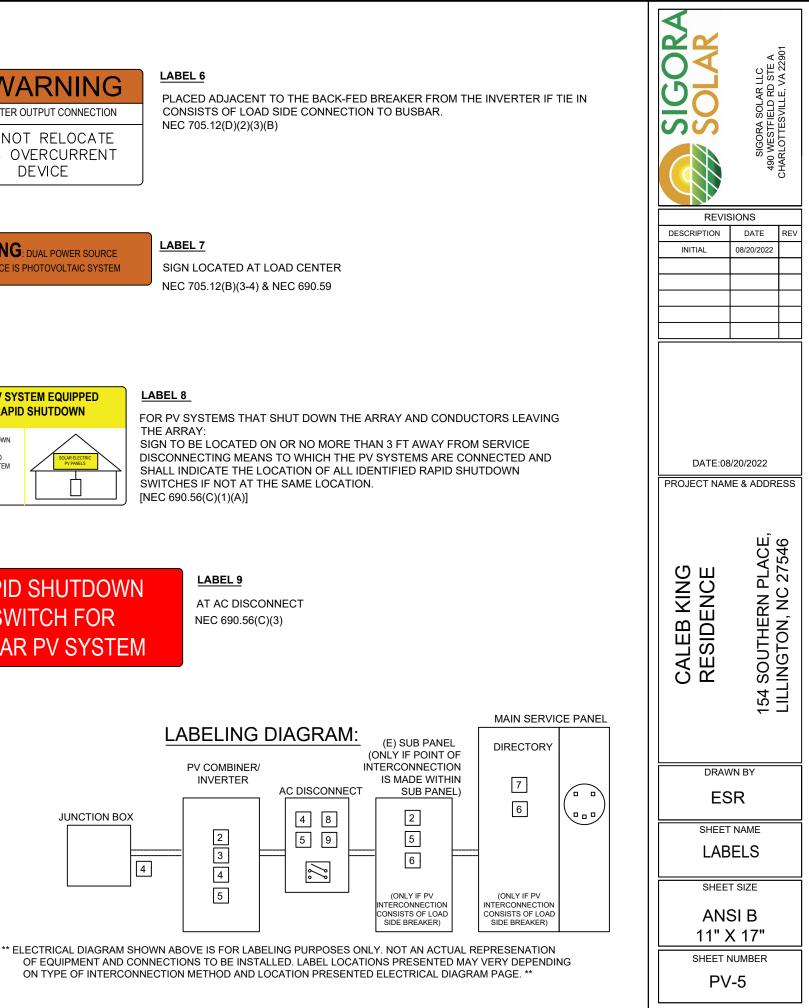
SHOCK HAZARD IN THE ARRAY

PHOTOVOLTAIC

AC DISONNECT

LABEL 4 AT AC DISCONNECT NEC 690.13(B)

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM



LABEL 5 AT AC DISCONNECT NEC 690.54

37.51A 240V

31 MICROS X 1.21 AMP/MICRO = 37.51AMP

PHOTOVOLTAIC AC DISCONNECT

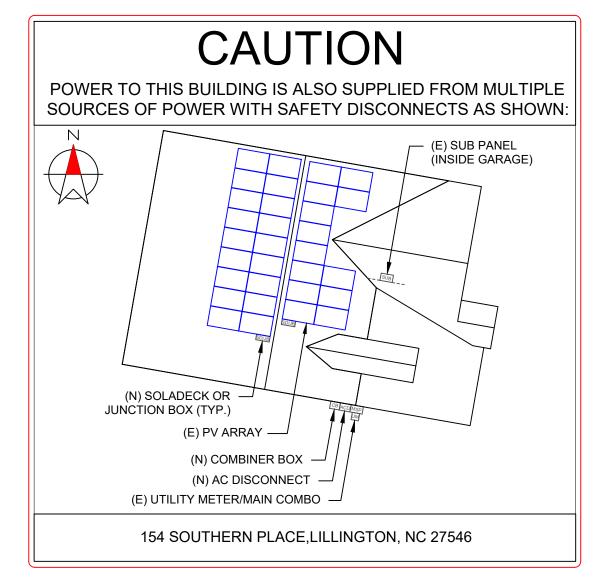
RATED AC OUTPUT CURRENT:

NOMINAL OPERATING AC VOLTAGE

LABELING NOTES

- 1. LABELS CALLED OUT ACCORDING TO ALL COMMON CONFIGURATIONS. ELECTRICIAN TO DETERMINE EXACT REQUIREMENTS IN THE FIELD PER CURRENT NEC AND LOCAL CODES AND MAKE APPROPRIATE ADJUSTMENTS.
- 2. LABELING REQUIREMENTS BASED ON THE 2017 NATIONAL ELECTRIC CODE, OSHA STANDARD 19010.145, ANSI Z535.
- 3. MATERIAL BASED ON THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- 4. LABELS TO BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED [NEC 110.21]

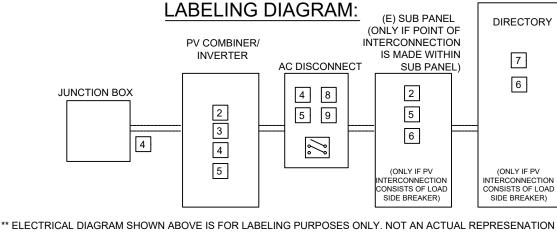
5. LABELS TO BE A MINIMUM LETTER HEIGHT OF 3/8", WHITE ON RED BACKGROUND; REFLECTIVE, AND PERMANENTLY AFFIXED [IFC 605.11.1.1]



DIRECTORY

PERMANENT PLAQUE OR DIRECTORY PROVIDING THE LOCATION OF THE SERVICE DISCONNECTING MEANS AND THE PHOTOVOLTAIC SYSTEM.

(ALL PLAQUES AND SIGNAGE WILL BE INSTALLED AS OUTLINED WITHIN: NEC 690.56(B)&(C), [NEC 705.10])



LABELING NOTES:

- 1. LABELS CALLED OUT ACCORDING TO ALL COMMON CONFIGURATIONS. ELECTRICIAN TO DETERMINE EXACT REQUIREMENTS IN THE FIELD PER CURRENT NEC AND LOCAL CODES AND MAKE APPROPRIATE ADJUSTMENTS.
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5. LABELS TO BE A MINIMUM LETTER HEIGHT OF 3/8", WHITE ON RED BACKGROUND; REFLECTIVE, AND PERMANENTLY AFFIXED [IFC 605.11.1.1]

OF EQUIPMENT AND CONNECTIONS TO BE INSTALLED. LABEL LOCATIONS PRESENTED MAY VERY DEPENDING ON TYPE OF INTERCONNECTION METHOD AND LOCATION PRESENTED ELECTRICAL DIAGRAM PAGE. **

| | SIGORA SOLAR | SIGORA SOLAR LLC 490 WESTFIELD RD STE A CHARLOTTESVILLE, VA 22901 | | | |
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MAIN SERVICE PAN

| | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | |
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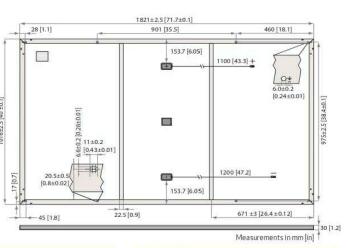
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SOLAR'S MOST TRUSTED



REC ALPHA PURE SERIES PRODUCT SPECIFICATIONS

| Cell type: | 132 half-cut REC heterojunctioncells with lead-free, gapless techn ology, 6 strings of 22 cells in series |
|---------------|--|
| Glass: | 3.2 mm solar glass with anti-reflective surface treatment In accordance with EN 12150 |
| Backsheet: | Highlyresistantpolymer(black) |
| Frame: | Anodized aluminum(black) |
| Junction box: | 3-part, 3bypass diodes, lead-free IP68rated, in accordance with IEC 62790 |
| Connectors: | Stäubli MC4 PV-KBT4/KST4 (4 mm²) in accordance with IEC 62852, IP68 only when connected |
| Cable: | 4 mm² solar cable, 1.1 m + 1.2 m in accordance with EN 50618 |
| Dimensions: | 1821 x 1016 x 30 mm (1.85 m²) |
| Weight: | 20.5 kg |
| Origin: | Made in Singapore |



| ELECTRICAL DATA | | Pro | duct Code*: | RECxxxAA | Pure | |
|--|-------|-------|-------------|----------|-------|-------|
| Power Output - P _{MAX} (Wp) | 385 | 390 | 395 | 400 | 405 | 410 |
| Watt Class Sorting - (W) | 0/+5 | 0/+5 | 0/+5 | 0/+5 | 0/+5 | 0/+5 |
| Nominal Power Voltage - $V_{_{MPP}}(V)$ | 41.2 | 41.5 | 41.8 | 42.1 | 42.4 | 42.7 |
| Nominal Power Current - I _{MPP} (A) | 9.35 | 9.40 | 9.45 | 9.51 | 9.56 | 9.61 |
| OpenCircuit Voltage - V _{oc} (V) | 48.5 | 48.6 | 48.7 | 48.8 | 48.9 | 49.0 |
| Short Circuit Current - I _{sc} (A) | 10.18 | 10.19 | 10.20 | 10.25 | 10.30 | 10.35 |
| PowerDensity (W/m²) | 208 | 211 | 214 | 216 | 219 | 222 |
| Panel Efficiency (%) | 20.8 | .21.1 | 21.4 | 21.6 | 21.9 | 22.2 |
| PowerOutput - P _{MAX} (Wp) | 293 | 297 | 301 | 305 | 309 | 312 |
| Nominal Power Voltage - $V_{MPP}(V)$ | 38.8 | 39.1 | 39.4 | 39.7 | 40.0 | 40.2 |
| Nominal PowerCurrent - I _{MPP} (A) | 7.55 | 7.59 | 7.63 | 7.68 | 7.72 | 7.76 |
| OpenCircuit Voltage - V _{oc} (V) | 45.7 | 45.8 | 45.9 | 46.0 | 46.1 | 46.2 |
| Short Circuit Current - Ier (A) | 8.16 | 8.20 | 8.24 | 8.28 | 8.32 | 8.36 |

Values at standard test conditions (s) iC air mass AM 15, irradiance 1000 v(m), temperature 25 (), based on a production spread with a tolerance of P_{MMV} V_{Cx} & U_{Cx} ±3% within one watt class. Nominal module operating temperature (MMOT; air mass AM 15, irradiance 800 W/m², temperature 20°C, windspeed1 m/s).* Where xxx indicates the nominal power dass (P_{MMV}) at STC above.

| MAXIMUM RATINGS | | WARRANTY | | | |
|----------------------------|--|---|-------------|------------|----------------|
| Operational temperature: | -40+85°C | | Standard | REC | ProTrust |
| Maximum system voltage: | 1000 V | Installed by an REC Certified Solar Professional | No | Yes | Yes |
| Maximum test load (front): | +7000 Pa (713kg/m²)* | System Size | All | ≤25 kW | 25-500 kW |
| Maximum test load (rear): | -4000 Pa(407 kg/m²)° | Product Warranty (yrs) | 20 | 25 | 25 |
| Maxseries fuse rating: | 25A | Power Warranty (yrs) | 25 | 25 | 25 |
| Maxreverse current: | 25 A | Labor Warranty (yrs) | 0 | 25 | 10 |
| 'Seeinstallation m | anual for mounting instructions. Id = Test load / 1.5 (safety factor) | Power in Year 1 | 98% | 98% | 98% |
| Designioa | id = Test load / 1.5 (safety factor) | Annual Degradation | 0.25% | 0.25% | 0.25% |
| | Power in Year 25 | 92% | 92% | 92% | |
| | | See warranty docu | ments for d | etails.Cor | nditions apply |

Founded in 1996, REC Group is an international pioneering solar energy company dedicated to empowering consumers with clean, affordable solar power. As Solar's Most Trusted, REC is committed to high quality, innovation, and a low carbon footprint in the solar materials and solar panels it manufactures. Headquartered in Norway with operational headquarters in Singapore, REC also has regional hubs in North America, Europe, and Asia-Pacific.



COMPACT PANEL SIZE









PERFORMANCE



CERTIFICATIONS

| EC 61215:2016, IEC | 61730:2016, UL 61730 |
|--------------------|------------------------------------|
| EC 62804 | PID |
| EC61701 | Salt Mist |
| EC 62716 | Ammonia Resistance |
| 5011925-2 | Ignitability (Class E) |
| EC 62782 | Dynamic Mechanical Load |
| EC 61215-2:2016 | Hailstone (35mm) |
| EC 62321 | Lead-free acc. to RoHS EU 863/2015 |
| 50 14001, ISO 9001 | I, IEC 45001, IEC 62941 |
| | |

| | a tintertek | CE | | Lead-Free | take e-way take e-way WEEE-compilar recycling scheme |
|-------|-------------|-----------|--------|-----------|--|
| TEMP | PERATU | RE RAT | INGS* | | |
| Vomin | alModul | e Operati | ngTemp | erature: | 44°C (±2°C) |

| Temperature coefficient of P _{MAX} : | -0.26 %/°C |
|---|------------------------|
| Temperature coefficient of V _{oc} : | -0.24 %/°C |
| Temperature coefficient of I _{sc} | 0.04 %/°C |
| 'The tem perature coefficients st | ated are linear values |

| DELIVERY INFORMATION | |
|--|------------------|
| Panels per pallet: | 33 |
| Panels per 40 ft GP/high cube container: | 792 (24 pallets) |
| Panels per 13.6 m truck: | 924 (28 pallets) |
| Panels per 53 ft truck: | 891 (27 pallets) |

LOW LIGHT BEHAVIOUR

| (¹⁰¹ | 1 | 1 5 | 1.5 |
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ENPHASE



IQ8 and IQ8+ Microinverters

Our newest IQ8 Microinverters are the industry's first microgrid-forming, softwaredefined microinverters with split-phase power conversion capability to convert DC power to AC power efficiently. The brain of the semiconductor-based microinverter is our proprietary application-specific integrated circuit (ASIC) which enables the microinverter to operate in grid-tied or off-grid modes. This chip is built in advanced 55nm technology with high speed digital logic and has super-fast response times to changing loads and grid events, alleviating constraints on battery sizing for home energy systems.



Part of the Enphase Energy System, IQ8 Series Microinverters integrate with the Enphase IQ Battery, Enphase IQ Gateway, and the Enphase App monitoring and analysis software.



Connect PV modules quickly and easily to IQ8 Series Microinverters using the included Q-DCC-2 adapter cable with plug-n-play MC4 connectors.



IQ8 Series Microinverters redefine reliability standards with more than one million cumulative hours of power-on testing, enabling an industryleading limited warranty of up to 25 years.



IQ8 Series Microinverters are UL Listed as PV Rapid Shut Down Equipment and conform with various regulations, when installed according to manufacturer's instructions.

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IQ8SP-DS-0002-01-EN-US-2022-03-17

Easy to install

· Lightweight and compact with plug-n-play connectors

DATA SHEET

- Power Line Communication (PLC) between components
- Faster installation with simple two-wire cabling

High productivity and reliability

- · Produce power even when the grid is down*
- More than one million cumulative hours of testing
- Class II double-insulated enclosure
- · Optimized for the latest highpowered PV modules

Microgrid-forming

- · Complies with the latest advanced grid support**
- · Remote automatic updates for the latest grid requirements
- · Configurable to support a wide range of grid profiles
- Meets CA Rule 21 (UL 1741-SA) requirements

* Only when installed with IQ System Controller 2, meets UL 1741. ** IQ8 and IQ8Plus supports split phase, 240V installations only.

| CHO-tee power factor (tablistable) CLOB is lading - USB is ladin | Q8 and IQ8+ M | icroi | nverters | | | D RD S |
|--|--|--------------|---|--|-------------------|------------|
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| Operating into any | MPPT voltage range | V | 27 - 37 | | | , |
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| AC port backfeed current in A Construction of | Total harmonic distortion | | | <5% | | JL |
| AC port backfeed current in A Construction of | Overvoltage class AC port | | | Ш | | |
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| Dimensions (Hyke) International (Laborational) Dimensions (Hykkp) 212 mm (6.3") x 175 mm (6.9") x 30.2 mm (1.2") Weight 0.00 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 Environ. category / UV exposure rating Class II double-insulated, corrosion resistant polymeric enclosure CoMFLIANCE SHEET NAME Certifications CARule 21 (UL 1741-SA), UL 62109-1, UL1741/IEEE1647, FCC Part 115 Class B, ICES-0003 Class B, 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 69012 and C22.1-2018 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according to manufacturer's instructions. No enforced DC/AC ratio. See the compatibility calculator at https://link.enphase.com/module-compatibility IOBSP-DS-0002-01-EN-US-2022-03-77 ANNS I B 11" X 17" | | | 0.85 le | ading – 0.85 lagging | | 4 r |
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| Dimensions (Hyke) International (Laborational) Dimensions (Hykkp) 212 mm (6.3") x 175 mm (6.9") x 30.2 mm (1.2") Weight 0.00 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 Environ. category / UV exposure rating Class II double-insulated, corrosion resistant polymeric enclosure CoMFLIANCE SHEET NAME Certifications CARule 21 (UL 1741-SA), UL 62109-1, UL1741/IEEE1647, FCC Part 115 Class B, ICES-0003 Class B, 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 69012 and C22.1-2018 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according to manufacturer's instructions. No enforced DC/AC ratio. See the compatibility calculator at https://link.enphase.com/module-compatibility IOBSP-DS-0002-01-EN-US-2022-03-77 ANNS I B 11" X 17" | | | | | | ± (|
| Dimensions (Hykkp) 212 mm (6.3") x 175 mm (6.9") x 30.2 mm (1.2") Weight Cooling Cooling Natural convection - no fans Approved for wet locations Yes Pollution degree PD3 Enclosure Class II double-insulated, corrosion resistant polymeric enclosure Environ. category / UV exposure rating NEMA Type 6 / outdoor COMFLIANCE SHEET NAME Certifications CARule 21 (UL 1741-SA), UL 62109-1, UL1741/IEEE1547, FCC Part 15 Class B, ICES-0003 Class B, 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 G9012 and C22.1-2018 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according to manufacturer's instructions. No enforced DC/AC ratio. See the compatibility calculator at https://link.enphase.com/module-compatibility JOBSP-DS-0002-01-EN-US-2022-03-77 ANNS I B 11" X 17" | | | -40°C to + | +60°C (-40°F to +140°F) | | 5 ! |
| Dimensions (Hy/WcD) 212 mm (8.3") x 175 mm (6.9") x 30.2 mm (1.2") Weight Clob 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 Environ. category / UV exposure rating Class II double-insulated, corrosion resistant polymeric enclosure CoMPLIANCE SHEET NAME Certifications CARule 21 (UL 1741-SA), UL 62109-1, UL1741/IEEE1547, FCC Part 115 Class B, ICES-0003 Class B, 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 C22.1-2018 Ruide 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according to manufacturer's instructions. No enforced DC/AC ratio. See the compatibility calculator at https://link.enphase.com/module-compatibility IOBSP-DS-0002-01-EN-US-2022-03-77 Q1 Maximum continuous input DC current is 10.64 (3) Nominal voltager ange can be extended beyord nominal if required ay the utility. (4) Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area. IOBSP-DS-0002-01-EN-US-2022-03-77 | | | 4% to | 100% (condensing) | | { ز |
| Weight 108 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 Environ. category / UV exposure rating NEMA Type 6 / outdoor CoMPLUANCE SHEET NAME Certifications 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 2020 section ego12 and C22.1-2018 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according to manufacturer's instructions. I) No enforced DC/AC ratio. See the compatibility calculator at https://link.enphase.com/module-compatibility IQ8SP-DS-0002-01-EN-US-2022-03-T I) No enforced DC/AC ratio. See the compatibility calculator at https://link.enphase.com/module-compatibility IQ8SP-DS-0002-01-EN-US-2022-03-T I) No enforced DC/AC ratio. See the compatibility calculator at https://link.enphase.com/module-compatibility IQ8SP-DS-0002-01-EN-US-2022-03-T I) No enforced DC/AC ratio. See the compatibility calculator at https://link.enphase.com/module-compatibility IQ8SP-DS-0002-01-EN-US-2022-03-T | , = | | | | |) : |
| Weight 108 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 Environ. category / UV exposure rating NEMA Type 6 / outdoor CoMPLUANCE SHEET NAME Certifications 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 2020 section ego12 and C22.1-2018 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according to manufacturer's instructions. I) No enforced DC/AC ratio. See the compatibility calculator at https://link.enphase.com/module-compatibility IQ8SP-DS-0002-01-EN-US-2022-03-T I) No enforced DC/AC ratio. See the compatibility calculator at https://link.enphase.com/module-compatibility IQ8SP-DS-0002-01-EN-US-2022-03-T I) No enforced DC/AC ratio. See the compatibility calculator at https://link.enphase.com/module-compatibility IQ8SP-DS-0002-01-EN-US-2022-03-T I) No enforced DC/AC ratio. See the compatibility calculator at https://link.enphase.com/module-compatibility IQ8SP-DS-0002-01-EN-US-2022-03-T | Dimensions (HxWxD) | | 212 mm (8.3") x 1 | 175 mm (6.9") x 30.2 mm (1.2") | | 5 |
| Cooling Natural convection – no fans Approved for wet locations Yes Pollution degree PD3 Enclosure Class II double-insulated, corrosion resistant polymeric enclosure Environ. category / UV exposure rating NEMA Type 6 / outdoor COMPLIANCE SHEET NAME Certifications 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.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 C22.1-2018 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according to manufacturer's instructions. No enforced DC/AC ratio. See the compatibility calculator at https://link.enphase.com/module-compatibility SHEET SIZE Amxsin up to the utility. (4) Limits may vary. Refer to local-returner to define the number of microinverters per branch in your area. IQ8SP-DS-0002-01-EN-US-2022-03-47 | Weight | | | | | |
| Approved for wet locations Approved for wet locations Yes Pollution degree PD3 Enclosure Class II double-insulated, corrosion resistant polymeric enclosure Environ. category / UV exposure rating NEMA Type 6 / outdoor COMPLIANCE SHEET NAME Certifications 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.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 C22.1-2018 Rule 64-218 Rapid Shut down of PV Systems, for AC and DC conductors, when installed according to manufacturer's instructions. 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 y the utility. (4) Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area. | 27/ | | | | | |
| Pollution degree PD3 Enclosure Class II double-insulated, corrosion resistant polymeric enclosure Environ. category / UV exposure rating NEMA Type 6 / outdoor CMPLIANCE SHEET NAME Certifications 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.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 C22.1-2018 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according to manufacturer's instructions. I) No enforced DC/AC ratio. See the compatibility calculator at https://link.enphase.com/module-compatibility 2) Maximum continuous input DC current is IO-A (3) Nominal voltage range can be extended beyond nominal if required beyond nominal | | | | | | |
| Enclosure Class II double-insulated, corrosion resistant polymeric enclosure Environ. category / UV exposure rating NEMA Type 6 / outdoor COMPLIANCE SHEET NAME Certifications CARule 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 SHEET NAME Certifications CARule 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 SHEET NAME O No enforced DC/AC ratio. See the compatibility calculator at https://link.enphase.com/module-compatibility 20 Auximum continuous input DC current is 10.6A (3) Nominal voltage range can be extended beyond nominal if required sy the utility. (4) Limits may vary. Refer to local remember of microinverters per branch in your area. IO8SP-DS-0002-01-EN-US-2022-03-f7 ANNSI B 11" X 17" | | | | | DRAWN BY | _ |
| Environ. category / UV exposure rating Environ. category | 2 | | | | | |
| 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 SHEET NAME Certifications 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 SHEET NAME No enforced DC/AC ratio. See the compatibility calculator at https://link.enphase.com/module-compatibility SHEET SIZE SHEET SIZE ANSI B 11" X 17" | | | | | ESK | |
| CARule 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 manufacturer's instructions.) 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 y the utility. (4) Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area. IQ8SP-DS-0002-01-EN-US-2022-03-17 | | | | | | — |
| 690.12 and C22.1-2018 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according to manufacturer's instructions.) 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 y the utility. (4) Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area. IQ8SP-DS-0002-01-EN-US-2022-03-17 11" X 17" | | | | | INVERTER | R |
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| | / The utility. (4/ Limits may vary, norse to |) local loqu | rements to define the number of filleronityer tera por brai | .nch in your area. I door to out or Lin-out zozz ou in | | , |
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Data Sheet Enphase Networking

Enphase **IQ Combiner 4/4C**

X-IQ-AM1-240-4 X-IQ-AM1-240-4C



To learn more about Enphase offerings, visit enphase.com

The Enphase IQ Combiner 4/4C with Enphase IQ Gateway and integrated LTE-M1 cell modem (included only with IQ Combiner 4C) consolidates interconnection equipment into a single enclosure and streamlines IQ microinverters 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 Gateway for communication and control
- Includes Enphase Mobile Connect cellular modem (CELLMODEM-M1-06-SP-05), included only with IQ Combiner 4C
- · Includes solar shield to match Enphase IQ Battery aesthetics 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

- · Centered mounting brackets support single stud mounting
- · Supports bottom, back and side conduit entry · Up to four 2-pole branch circuits for 240 VAC
- plug-in breakers (not included) • 80A 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 IQ Combiner SKU's

⊖ ENPHASE.

UL listed

MODEL NUMBER

IQ Combiner 4 (X-IQ-AM1-240-4)

IQ Combiner 4C (X-IQ-AM1-240-4C)

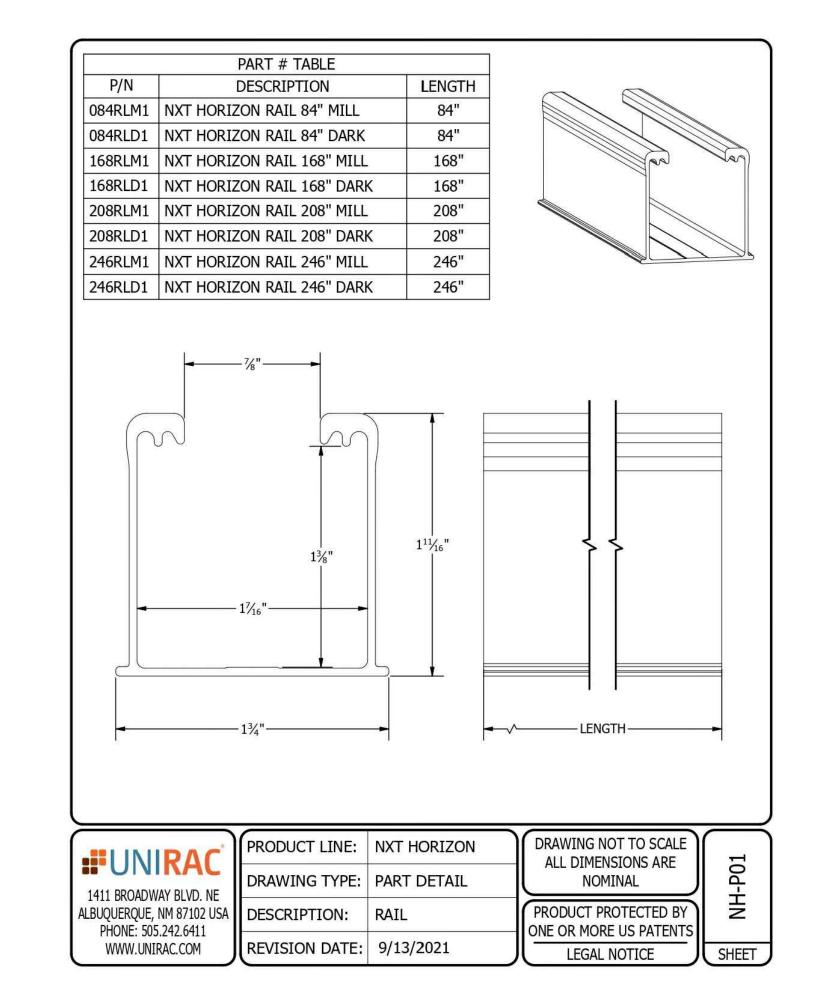
| | (ANSI C12.20+/-0.5%) and consumption monitoring (+/-2.5%) (CELLMODEM-M1-06-SP-05), a plug-and-play industrial-grade (Available in the US, Canada, Mexico, Puerto Rico, and the US v the installation area.) Includes a silver solar shield to match th |
|---|--|
| ACCESSORIES AND REPLACEMENT PARTS | (not 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 w Ensemble sites 4G based LTE-M1 cellular modem with 5-year Sprint data p 4G based LTE-M1 cellular modem with 5-year AT&T data p |
| 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, BR25 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 BR215B with hold down Circuit breaker, 2 pole, 20A, Eaton BR220B with hold down |
| EPLC-01 | Power line carrier (communication bridge pair), quantity - or |
| XA-SOLARSHIELD-ES | Replacement solar shield for IQ Combiner 4/4C |
| XA-PLUG-120-3 | Accessory receptacle for Power Line Carrier in IQ Combiner |
| XA-ENV-PCBA-3 | Replacement IQ Gateway printed circuit board (PCB) for Co |
| 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 | 65 A |
| 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 (D |
| Max. total branch circuit breaker rating (input) | 80A of distributed generation / 95A with IQ Gateway breake |
| Envoy breaker | 10A or 15A rating GE/Siemens/Eaton 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 |
| 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 cons |
| Wire sizes | 20 A to 50 A breaker inputs: 14 to 4 AWG copper conducto 60 A breaker branch input: 4 to 1/0 AWG copper conducto Main lug combined output: 10 to 2/0 AWG copper conduct 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 Mobile Connect cellular modem is required for all Ensemble ins |
| Ethernet | Optional, 802.3, Cat5E (or Cat 6) UTP Ethernet cable (not in |
| COMPLIANCE | |
| Compliance, IQ Combiner | UL 1741, CAN/CSA C22.2 No. 107.1, 47 CFR, Part 15, Class I Production metering: ANSI C12.20 accuracy class 0.5 (PV p Consumption metering: accuracy class 2.5 |
| Compliance, IQ Gateway | UL 60601-1/CANCSA 22.2 No. 61010-1 |
| | |



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Enphase IQ Combiner 4/4C

| IQ Combiner 4 with Enphase IQ Gateway printed circuit board for integrated revenue grade PV production metering (ANSI | GORA | SIGORA SOLAR LLC 490 WESTFIELD RD STE A HARLOTTESVILLE, VA 22901 |
|---|-----------------------|--|
| 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 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 heat. (not included, order separately) | S S | SIGORA SOLAR LLC 490 WESTFIELD RD STE A CHARLOTTESVILLE, VA 2290 |
| - Includes COMMS-KIT-01 and CELLMODEM-M1-06-SP-05 with 5-year Sprint data plan for Ensemble sites | REVIS | BIONS |
| - 4G based LTE-M1 cellular modem with 5-year Sprint data plan - 4G based LTE-M1 cellular modem with 5-year AT&T data plan | DESCRIPTION | DATE REV |
| 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 BR215B with hold down kit support Circuit breaker, 2 pole, 20A, Eaton BR220B with hold down kit support | | 08/20/2022 |
| Power line carrier (communication bridge pair), quantity - one pair | | |
| Replacement solar shield for IQ Combiner 4/4C | | |
| Accessory receptacle for Power Line Carrier in IQ Combiner 4/4C (required for EPLC-01) | | |
| Replacement IQ Gateway printed circuit board (PCB) for Combiner 4/4C Hold down kit for Eaton circuit breaker with screws. | | |
| | | |
| Continuous duty | | |
| 120/240 VAC, 60 Hz 125 A | | |
| 65 A | DATE:08 | /20/2022 |
| 64 A | PROJECT NAM | IE & ADDRESS |
| 90 A | | |
| Up to four 2-pole Eaton BR series Distributed Generation (DG) breakers only (not included) | | |
| 80A of distributed generation / 95A with IQ Gateway breaker included 10A or 15A rating GE/Siemens/Eaton included | | ப் ம |
| 200 A solid core pre-installed and wired to IQ Gateway | | 54 C |
| A pair of 200 A split core current transformers | U Ц С Ш | רל 27 |
| | | ~ 일 |
| 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. | CALEB KIN RESIDENC | _ ۲۲ – ۱ |
| 7.5 kg (16.5 lbs) | | 뿡 |
| -40° C to +46° C (-40° to 115° F) | 」 ビ に | 5 Ĕ |
| Natural convection, plus heat shield Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction | CA RE | <u>o</u> v |
| 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. To 2000 meters (6,560 feet) | | 154 SOUTHERN F LILLINGTON, NC |
| 802.11b/g/n | DRAW | /N BY |
| CELLMODEM-M1-06-SP-05, CELLMODEM-M1-06-AT-05 (4G based LTE-M1 cellular modem). Note that an Enphase Mobile Connect cellular modem is required for all Ensemble installations. Optional, 802.3, Cat5E (or Cat 6) UTP Ethernet cable (not included) | ES | R |
| 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 UL 60601-1/CANCSA 22.2 No. 61010-1 | SPECIF | BINER ICATION |
| t enphase.com hase logo, IQ Combiner 4/4C, and other names are trademarks of | SHEE ANS 11" > | |
| | SHEET N | NUMBER |
| | PV- | 10 |



| DRAWI | CALEB KING CALEB KING RESIDENCE | DATE:08/2 | DESCRIPTION | SOLAR |
|-------|--|-----------|--------------------|--|
| | ADDRI E & ADDRI F V C E C C C | 20/2022 | DATE 08/20/2022 | 0 8 8IGORA SOLAR LLC 490 WESTFIELD RD STE A |
| | 327546 | | REV | CHARLOTTESVILLE, VA 22901 |

NXT HORIZON®



REV

NXT HORIZON COMBO CLAMP DISCOVER YOUR NXT HORIZON DARK: CCLAMPD1 MILL: CCLAMPM1 The culmination of over two decades of experience. Thoughtful design, Clicks into rail anywhere (even when there are cables!) rigorous engineering, world-class support, and a reliable supply chain are the Self-standing clamp with spring combines as both mid and end clam Clamps 30-40 mm modules foundation of what makes us confident that NXT HORIZON® is the NXT Level of DESIGN, SIMPLICITY, and VALUE. STRONGHOLD[™] RAIL CLAMP DARK: SHCLMPD1 1/2 inch module spacing for efficiency MILL: SHCLMPM1 Unirac-quality bonding that works both as Adaptable rail connection to attachments mid and end clamps. allows click-in feature compatibility with almost all of Unirac's attachments. WIRE MANAGEMENT OPTONS NXT HORIZON RAIL FlashLoc technology combined with new features: click-in rail & open slot L-Foot for **DARK: 168RLD1** the best flash-less install experience. MILL: 168RLM1 Strong, lightweight open channel rail with invisible, easy, unfailing STRONGHOLD" ATTACHMENT KIT and integrated wire managemen system DARK: SHCPKTD1 MILL: SHCPKTM1 Rail clicks into the clamps attached to the NXT HORIZON RAIL SPLICE Stronghold[™] base. Open slot in L-foot allows **NXT HORIZON MLPE & LUG CLAMP** NXT HORIZON WIRE MANAGEMENT CLIP drop-in rail clamp. **RLSPLCM1** LUGMLPE1 WRMCLPD1 Structural internal splice that does Alternative attachment options: not interfere with roof connection Works as either MLPE Mount or Grounding Aesthetic, yet functional accessory that works to nor module connection Lug connection to the rail. Why source two help installers keep wires inside the rail. Pre-assembled thread cutting bolts FLASHLOC" DUO parts when one can do the job? No zip-ties required. Optional zip tie loop for extra FLASHKIT PRO

ALL NXT HORIZON° SYSTEMS INCLUDE A FREE PERMITTING PLANSET DESIGN - FOR QUESTIONS OR CUSTOMER SERVICE VISIT UNIRAC.COM OR EMAIL NXTPERMITS@UNIRAC.COM



Basic Features

- Stamped Seamless Construction
- 18 Gauge Galvanized Steel
- Powder Coated Surfaces
- Flashes into the roof deck
- 3 Roof deck knockouts .5", .75", 1"
- 5 Centering dimples for entry/exit fittings or conduit
- 2 Position Ground lug installed
- Mounting Hardware Included



SolaDeck Model SD 0783



SolaDeck UL50 Type 3R Enclosures

Available Models: Model SD 0783 - (3" fixed Din Rail) Model SD 0786 - (6" slotted Din Rail)



SolaDeck UL 1741 Combiner/Enclosures

Models SD 0783-41 and SD 0786-41 are labeled and ETL listed UL STD 1741 according to the UL STD 1741 for photovoltaic combiner enclosures. Max Rated - 600VDC, 120AMPS

Model SD 0783-41 3" Fixed Din Rail fastened using Norlock System **Typical System Configuration

- 4- Din Rail Mounted Fuse Holders 600VDC 30 AMP
- 1- Power Distribution Block 600VDC 175AMP
- 1- Bus Bar with UL lug

Model SD 0786-41 6" Slotted Din Rail fastened using steel studs

- **Typical System Configuration
- 4- Din Rail Mounted Fuse Holders 600VDC 30 AMP
- 4- Din Rail Mounted Terminal Blocks Bus Bars with UL lug

**Fuse holders and terminal blocks added in the field must be UL listed or recognized and meet 600 VDC 30 AMP 110C for fuse holders, 600V 50 AMP 90C for rail mounted terminal blocks and 600 V 175 AMP 90C for Power Distribution Blocks. Use Copper Wire Conductors.



Cover is trimmed to allow conduit or fittings, base is center dimpled for fitting locations.



Model SD 0783-41, wired with Din Rail mounted fuse holders, bus bar and power distribution block.



Model SD 0786-41, wired with Din Rail mounted fuse holders, terminal blocks and bus bars.

RSTC Enterprises, Inc • 2219 Heimstead Road • Eau Cliare, WI 54703 For product information call 1(866) 367-7782

| SOLA SPECIF | DRAW | CALEB KING BLACE RESIDENCE RESIDENCE | DESCRIPTION | REVIS | SIGORA SOLAR |
|----------------|------|---|--------------------|-------|-----------------------|
| DECK ICATIO | | 154 SOUTHERN PLACE, BAD | DATE 08/20/2022 | | |
| N | | 3 27546 | REV | CHARL | LOTTESVILLE, VA 22901 |















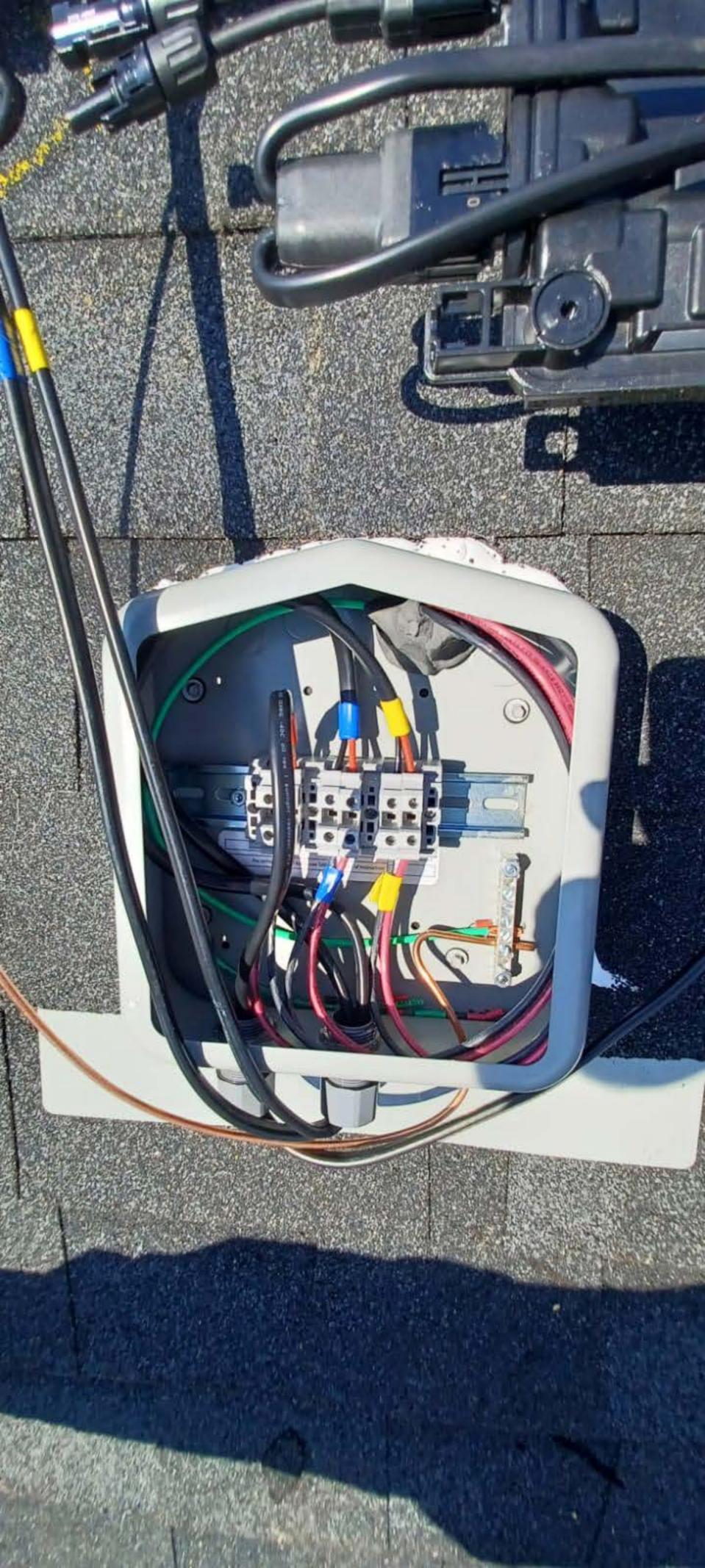








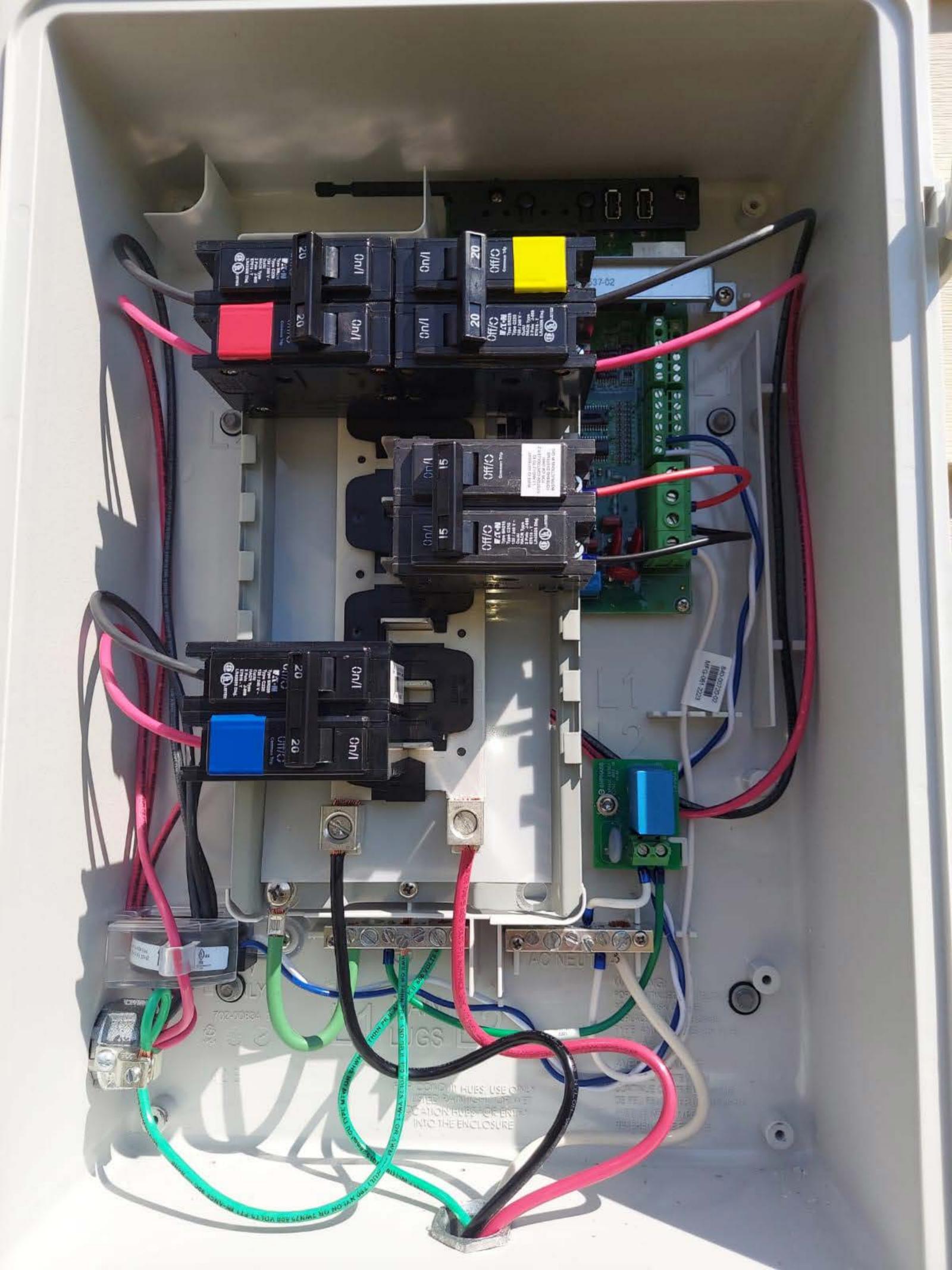


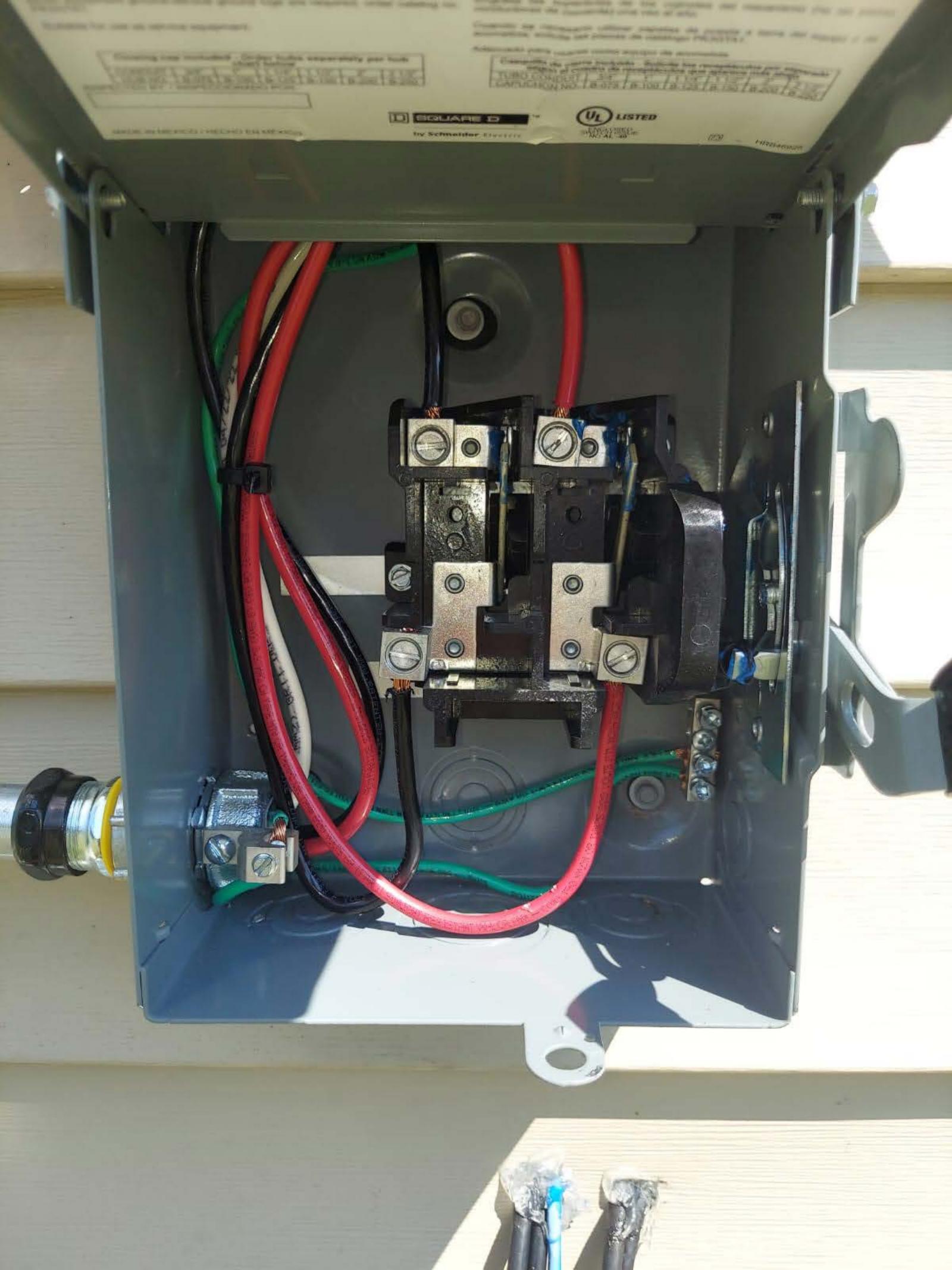














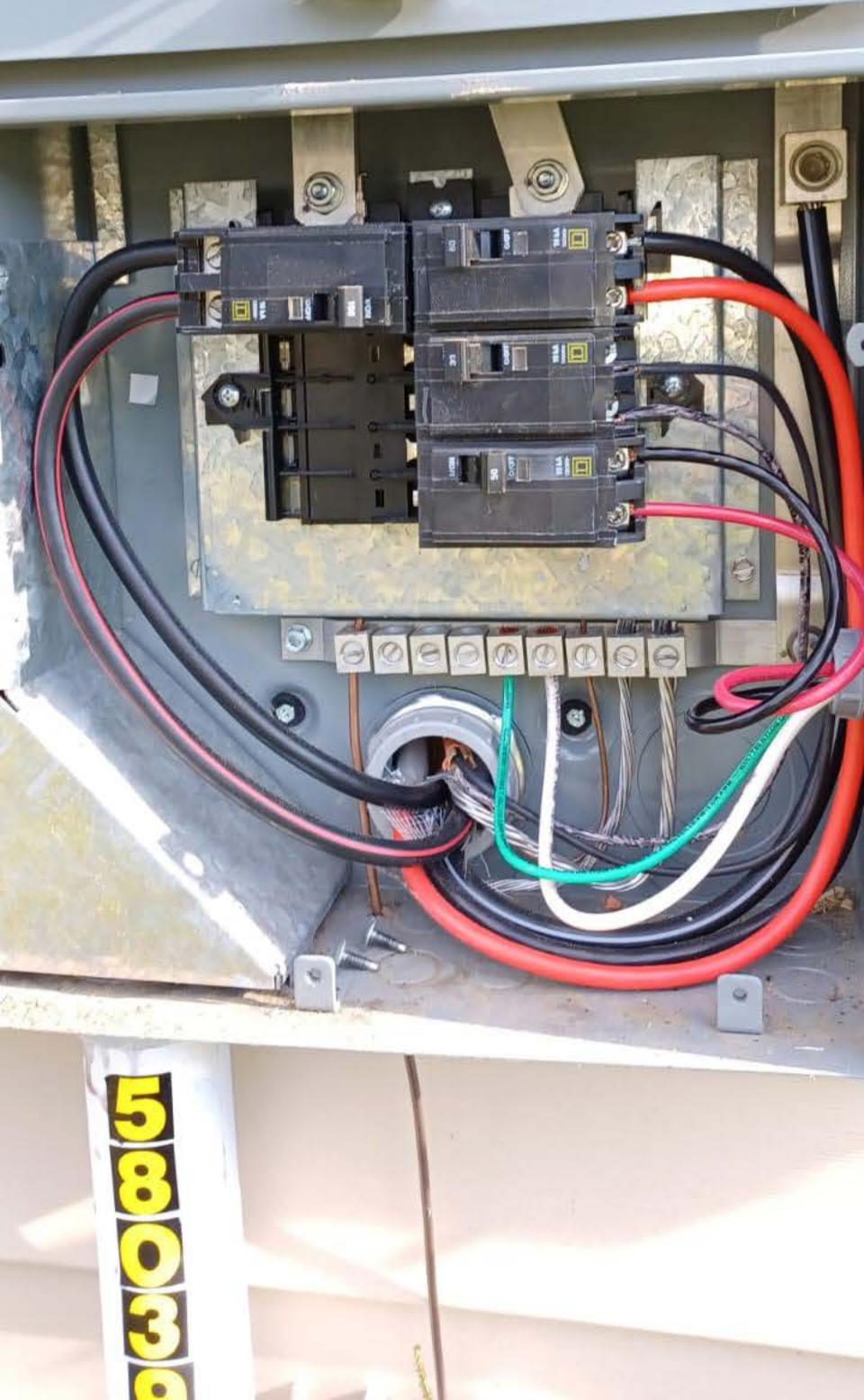


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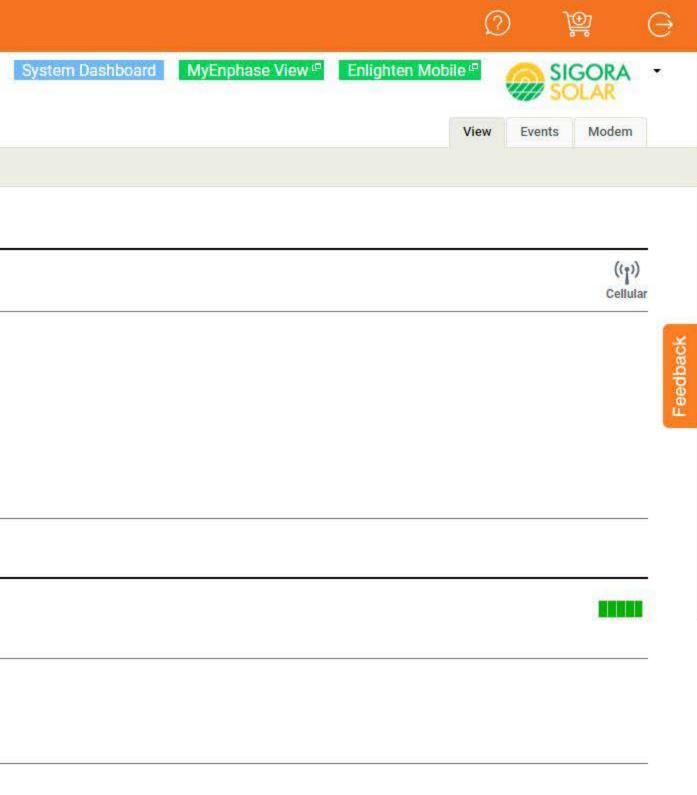
Systems List

King, Caleb (154 Southern PI - Lillington VA 27546) Gateway 202231036404 - Click here to initiate Self Service Warranty Claim



| We | eb Communication |
|------|--|
| ~ | Connected to Enlighten Last Report: Thu September 22, 2022 02:33 PM EDT |
| Rep | ort Setting |
| 0 | Standard Typically reports data to Enlighten at least every 15 minutes during daylight hours. |
| | Low-Bandwidth Reports data to Enlighten four times per day. |
| Diag | gnostic Duration: Off 🗸 🗸 |
| Sa | ave Report Setting |
| Po | wer Line Communication |

| S. | | |
|----------|---|---|
| ~ | Good signal strength More Information Last Check: Thu September 22, 2022 01:40 PM | EDT |
| 31 | Microinverters Detected | |
| 1 | 31 Communicating | |
| 1 | 31 Producing power | |
| Ta | sks | |
| | Check Signal Strength | Check signal strength to measure the Gateway's commu location for the Gateway. |
| ĥ | Scan for New Devices | Scan for new devices to detect additional microinverters |



unication with the microinverters – for example, if the Gateway has been moved or to determine the best

s for this system – for example if you've added modules or replaced an existing microinverter.