

NEW PHOTOVOLTAIC PITCHED ROOF MOUNTED SYSTEM - 12.320 KW DC/10.640 KW AC  
& ENERGY STORAGE SYSTEM - 18 KWH  
2229 NEILLS CREEK RD, LILLINGTON, NC 27456

NEW PV SYSTEM SPECIFICATIONS  
SYSTEM SIZE: DC SIZE: 12.320 KW DC-(STC)  
AC SIZE: 10.640 KW AC  
MODULE: (28) HYUNDAI HIN-T440NF (BK)  
INVERTER: (28) ENPHASE I88HC-72-M-JS  
BATTERY: (1) GENERAC PWRCELL 2 APKE00075  
(6) GENERAC PWRCELL G0080040

APPLICABLE CODES  
ALL WORK SHALL CONFORM TO THE FOLLOWING CODES:  
2018 NORTH CAROLINA BUILDING CODE  
2018 NORTH CAROLINA RESIDENTIAL CODE  
2018 NORTH CAROLINA FIRE CODE  
2020 NORTH CAROLINA ELECTRICAL CODE  
AS ADOPTED BY HARNETT COUNTY

DESIGN CRITERIA  
ROOF SURFACE TYPE: COMPOSITE SHINGLE  
ROOF FRAMING: 2"x8" RAFTERS @ 16" OC  
BUILDING STORY: ONE STORY  
GROUND SNOW LOAD: 10 PSF  
WIND SPEED: 117 MPH  
WIND EXPOSURE: C  
RISK CATEGORY: II

PROJECT NOTES  
1.1.1 THIS PHOTOVOLTAIC (PV) & ENERGY STORAGE SYSTEM SHALL COMPLY WITH THE RELEVANT YEAR OF THE NATIONAL ELECTRICAL CODE (NEC), ALL MANUFACTURER'S LISTING AND INSTALLATION INSTRUCTIONS, AND THE RELEVANT CODES AS SPECIFIED BY THE AUTHORITY HAVING JURISDICTION'S (AHJ) APPLICABLE CODES.  
1.1.2 THE UTILITY INTERCONNECTION APPLICATION MUST BE APPROVED AND THE PV & ENERGY STORAGE SYSTEM MUST BE INSPECTED PRIOR TO OPERATION  
1.1.3 ALL PV & ENERGY STORAGE SYSTEM COMPONENTS, MODULES, UTILITY-INTERACTIVE INVERTERS, BATTERIES, AND SOURCE CIRCUIT COMBINER BOXES ARE IDENTIFIED AND LISTED FOR USE IN PHOTOVOLTAIC SYSTEMS AS REQUIRED BY NEC AND OTHER GOVERNING CODES  
1.1.4 ALL SIGNAGE TO BE PLACED IN ACCORDANCE WITH LOCAL BUILDING CODE. IF EXPOSED TO SUNLIGHT, IT SHALL BE UV RESISTANT. ALL PLAQUES AND SIGNAGE WILL BE INSTALLED AS REQUIRED BY THE NEC AND AHJ.

SCOPE OF WORK  
1.2.1 CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND SPECIFICATIONS OF THE GRID-TIED PHOTOVOLTAIC & ENERGY STORAGE SYSTEM. THE CONTRACTOR WILL BE RESPONSIBLE FOR COLLECTION OF EXISTING ONSITE CONDITIONS TO DESIGN, SPECIFY, AND INSTALL THE PITCHED ROOF-MOUNTED PV SYSTEM AND ENERGY STORAGE SYSTEM DETAILED IN THIS DOCUMENT

1 PROPERTY PLAN  
PV-01  
SCALE: 1" = 140'-0"

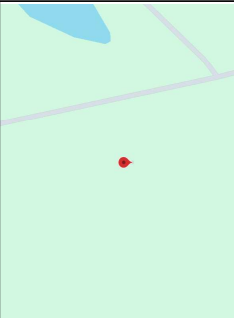
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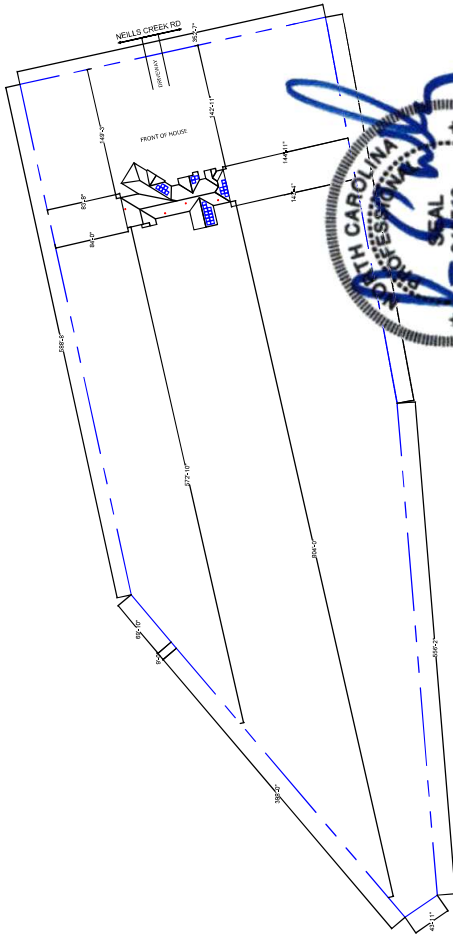
LEGEND

- PROPERTY LINE
- FENCE LINE

VICINITY MAP



SATELLITE MAP



SCOTT  
WYSSLING

Wysling Consulting, PLLC  
76 N Meadowbrook Drive Alpine UT 84004  
North Carolina CDA # P-2308

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CONTRACTOR

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LIC. NO. - 2705036452

PROJECT NAME & ADDRESS  
ERIC MEAUX  
2229 NEILLS CREEK RD,  
LILLINGTON, NC 27456

APN #: 110661 0017 01  
AHJ: HARNETT COUNTY  
UTILITY: DUKE ENERGY  
PROGRESS

SYSTEM DETAILS  
(28) HYUNDAI HIN-T440NF (BK)  
(28) ENPHASE I88HC-72-M-JS  
(1) GENERAC PWRCELL 2 APKE00075  
(6) GENERAC PWRCELL G0080040

REVISIONS

| REV | DESCRIPTION | DATE |
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SHEET TITLE

COVER PAGE

DRAWN DATE 10/14/2025

DRAWN BY DGD

SHEET NUMBER

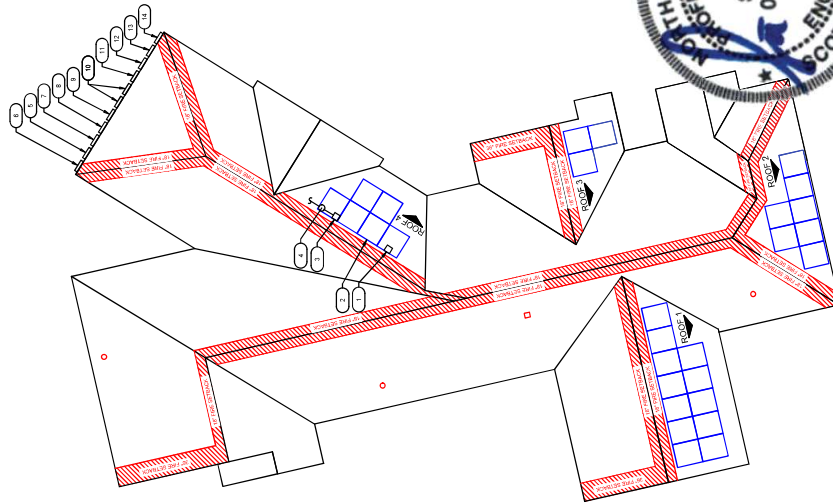
PV-01

NOTES:

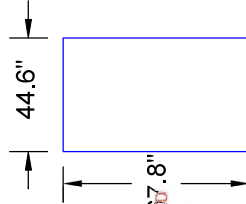
1. ROOF ACCESS POINT SHALL NOT BE LOCATED IN AREAS THAT REQUIRE THE ERECTION OF LADDERS OR SCAFFOLDING OVER OPENINGS SUCH AS WINDOWS OR DOORS, AND LOCATED AT STRONG POINTS OF BUILDING CONSTRUCTION IN LOCATIONS WHERE THE ACCESS POINT DOES NOT CONFLICT WITH OVERHEAD OBSTRUCTIONS SUCH AS TREE LIMBS, WIRES OR SIGNS.

2. STRUCTURES, PATIO COVERS, AND/OR ADDITIONS BUILT WITHOUT PERMITS TO BE RESOLVED BY A SEPARATE PERMIT.

PLAN VIEW TOTAL ROOF AREA: 8441.42 FT<sup>2</sup>  
TOTAL PV ARRAY AREA: 567.98 FT<sup>2</sup>  
TOTAL % OF ROOF COVERED BY PV: 6.97%



FRONT OF HOUSE



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716 N Meadowbrook Drive Alpine UT 84004  
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LEGEND



- 1 MICROINVERTER (1 PER MODULE)
- 2 PV MODULES
- 3 JUNCTION BOX, SIZE DETERMINED IN FIELD
- 4 CONDUIT RUN, SURFACE MOUNTED (ACTUAL CONDUIT RUNS TO BE DETERMINED IN FIELD)
- 5 UTILITY METER (UNDERGROUND SERVICE) METER # 340976886
- 6 MAIN SERVICE PANEL - A
- 7 MAIN SERVICE PANEL - B
- 8 GENERAC SMART DISCONNECT SWITCH
- 9 E-STOP DEVICE
- 10 (2) AC DISCONNECTS
- 11 GENERAC PWRCELL 2 APKE00075 INVERTER
- 12 (6) GENERAC PWRCELL G0080040 BATTERIES
- 13 PV PRODUCTION METER
- 14 ENPHASE IQ COMBINER BOX

|        |                                                                                                     |
|--------|-----------------------------------------------------------------------------------------------------|
| ROOF 1 | SLOPE - 45°<br>AZIMUTH - 187°<br>MODULE QTY - 12<br>RAFTERS - 2'x8" @ 16" O.C.<br>COMPOSITE SHINGLE |
| ROOF 2 | SLOPE - 45°<br>AZIMUTH - 167°<br>MODULE QTY - 7<br>RAFTERS - 2'x8" @ 16" O.C.<br>COMPOSITE SHINGLE  |
| ROOF 3 | SLOPE - 45°<br>AZIMUTH - 167°<br>MODULE QTY - 3<br>RAFTERS - 2'x8" @ 16" O.C.<br>COMPOSITE SHINGLE  |
| ROOF 4 | SLOPE - 45°<br>AZIMUTH - 121°<br>MODULE QTY - 6<br>RAFTERS - 2'x8" @ 16" O.C.<br>COMPOSITE SHINGLE  |

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APN #: 110661 0017 01  
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UTILITY: DUKE ENERGY  
PROGRESS

SYSTEM DETAILS  
12,320 KW (DC+13TC) / 10,640 KW AC  
(28) HYUNDAI HIN-1440NFBK  
(28) INVERTER  
(1) GENERAC PWRCELL 2 APKE00075  
(6) GENERAC PWRCELL G0080040

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SHEET TITLE  
SITE PLAN

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PV-02

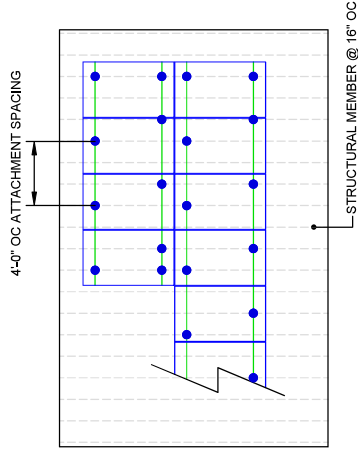
DISTRIBUTED LOAD CALCULATIONS

|                               |                       |
|-------------------------------|-----------------------|
| MODULE                        | HYUNDAI HIN-1440N(BK) |
| MODULE WEIGHT                 | 50.01 LBS             |
| MODULE DIMENSIONS (L" x W")   | 67.6" x 44.6"         |
| TOTAL QTY. OF MODULES         | 28                    |
| TOTAL WEIGHT OF MODULES       | 1400.3 LBS            |
| TYPE OF RACKING               | UNIRAC 185RLD1        |
| TYPE OF ATTACHMENT            | UNIRAC SH-BUTYL M2    |
| DISTRIBUTED WEIGHT OF RACKING | 0.5 PSF               |
| TOTAL WEIGHT OF ARRAY         | 1694.3 LBS            |
| AREA OF MODULE                | 21.0 SQFT.            |
| TOTAL ARRAY AREA              | 588.0 SQFT.           |
| DISTRIBUTED LOAD              | 2.9 PSF               |

NOTE:

1. CONTRACTOR/INSTALLER TO VERIFY COMPATIBILITY OF ANY BRANDS OR PRODUCTS SUBSTITUTED OR USED AS ALTERNATES WITHIN ANY BRAND-SPECIFIC SYSTEMS. CONTRACTOR SHALL SUPPLY AND PRESENT CERTIFICATES OF COMPATIBILITY TO THE BUILDING OFFICIAL UPON INSPECTION AS NEEDED.

2. REFER TO PV MODULE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR RAIL SPACING SPECIFICATIONS



1.0 TYPICAL ATTACHMENT PLAN (PORTRAIT)

PV-03

SCALE: NTS



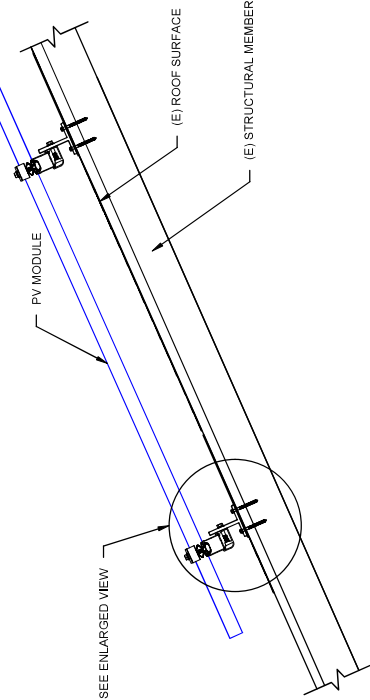
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SYSTEM DETAILS

- (28) HYUNDAI HIN-1440N(BK)
- (28) UNIRAC 185RLD1
- (1) GENERAC PWRCELL 2 APKE00075
- (6) GENERAC PWRCELL G0080040

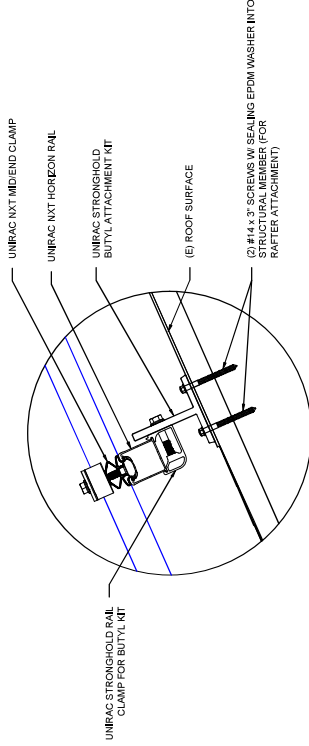


NOTE: 6" MAXIMUM DISTANCE FROM ROOF SURFACE TO TOP OF PV MODULES

2 ATTACHMENT DETAIL

PV-03

Scale: NTS



3 ENLARGED VIEW

PV-03

Scale: NTS

LEGEND

- ATTACHMENT POINTS
- RAIL
- STRUCTURAL MEMBER

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SHEET TITLE  
ATTACHMENT PLAN  
& DETAILS

DRAWN DATE 10/14/2025

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PV-03



# GENERAL NOTES

## SITE NOTES

2.1.1 A LADDER WILL BE IN PLACE FOR INSPECTION IN ACCORDANCE WITH OSHA REGULATIONS.  
2.1.2 THE PV MODULES ARE CONSIDERED NON-COMBUSTIBLE AND THIS SYSTEM IS A UTILITY INTERACTIVE SYSTEM WITH STORAGE BATTERIES.  
2.1.3 THE SOLAR PV INSTALLATION WILL NOT OBSTRUCT ANY PLUMBING, MECHANICAL, OR BUILDING ROOF VENTS.  
2.1.4 PROPER ACCESS AND WORKING CLEARANCE AROUND EXISTING AND PROPOSED ELECTRICAL EQUIPMENT WILL BE PROVIDED IN ACCORDANCE WITH SECTION NEC 110.  
2.1.5 ROOF COVERINGS SHALL BE DESIGNED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH THIS CODE AND THE APPROVED MANUFACTURER'S INSTRUCTIONS SUCH THAT THE ROOF COVERING SERVES TO PROTECT THE BUILDING OR STRUCTURE.

## EQUIPMENT LOCATIONS

2.2.1 ALL EQUIPMENT SHALL MEET MINIMUM WORKING CLEARANCES IN ACCORDANCE WITH NEC 110.  
2.2.2 WIRING SYSTEMS INSTALLED IN DIRECT SUNLIGHT MUST BE RATED FOR EXPECTED OPERATING TEMPERATURE AS SPECIFIED BY 2020 NORTH CAROLINA ELECTRICAL CODE.  
2.2.3 JUNCTION AND PULL BOXES PERMITTED INSTALLED UNDER PV MODULES IN ACCORDANCE WITH NEC 690.  
2.2.4 ALL EQUIPMENT SHALL BE INSTALLED ACCESSIBLE TO QUALIFIED PERSONNEL IN ACCORDANCE WITH NEC APPLICABLE CODES.  
2.2.5 ALL COMPONENTS ARE LISTED FOR THEIR PURPOSE AND RATED FOR OUTDOOR USAGE WHEN APPROPRIATE.

## STRUCTURAL NOTES

2.3.1 RACKING SYSTEM & PV ARRAY WILL BE INSTALLED IN ACCORDANCE WITH THE CODE-COMPLIANT INSTALLATION MANUAL. TOP CLAMPS REQUIRE A DESIGNATED SPACE BETWEEN MODULES, AND RAILS MUST ALSO EXTEND A MINIMUM DISTANCE BEYOND EITHER EDGE OF THE ARRAY/SUB-ARRAY, IN ACCORDANCE WITH RAIL MANUFACTURER'S INSTALLATION PRACTICES.  
2.3.2 JUNCTION BOX WILL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. IF ROOF-PENETRATING TYPE, IT SHALL BE FLASHED & SEALED PER LOCAL REQUIREMENTS.  
2.3.3 ROOFTOP PENETRATIONS FOR PV RACEWAY WILL BE COMPLETED AND SEALED W/ APPROVED CHEMICAL SEALANT PER CODE BY A LICENSED CONTRACTOR.  
2.3.4 ALL PV RELATED ROOF ATTACHMENTS TO BE SPACED NO GREATER THAN THE SPAN DISTANCE SPECIFIED BY THE RACKING MANUFACTURER OR PROFESSIONAL ENGINEERING GUIDANCE.  
2.3.5 WHEN POSSIBLE, ALL PV RELATED RACKING ATTACHMENTS WILL BE STAGGERED AMONGST THE ROOF FRAMING MEMBERS.

## WIRING & CONDUIT NOTES

2.4.1 ALL CONDUIT AND WIRE WILL BE LISTED AND APPROVED FOR THEIR PURPOSE. CONDUIT AND WIRE SPECIFICATIONS ARE BASED ON MINIMUM CODE REQUIREMENTS AND ARE NOT MEANT TO LIMIT UP-SIZING.  
2.4.2 CONDUCTORS SIZED IN ACCORDANCE WITH THE NEC  
2.4.3 AC CONDUCTORS TO BE COLORED OR MARKED PER NEC  
2.4.4 LISTED OR LABELED EQUIPMENT SHALL BE INSTALLED AND USED IN ACCORDANCE WITH ANY INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING PER NEC

## GROUNDING NOTES

2.5.1 GROUNDING SYSTEM COMPONENTS SHALL BE LISTED FOR THEIR PURPOSE, AND GROUNDING DEVICES EXPOSED TO THE ELEMENTS SHALL BE RATED FOR SUCH USE.  
2.5.2 PV EQUIPMENT SHALL BE GROUNDING IN ACCORDANCE WITH NEC 690 AND NEC TABLE 250.122.  
2.5.3 METAL PARTS OF MODULE FRAMES, MODULE RACKING, AND ENCLOSURES CONSIDERED GROUNDING IN ACCORDANCE WITH NEC 250.  
2.5.4 EQUIPMENT GROUNDING CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH NEC 690 AND INVERTER MANUFACTURER'S INSTALLATION PRACTICES  
2.5.5 EACH MODULE WILL BE GROUNDING AS SHOWN IN MANUFACTURER DOCUMENTATION AND APPROVED BY THE AHJ.  
2.5.6 THE GROUNDING CONNECTION TO A MODULE SHALL BE ARRANGED SUCH THAT THE REMOVAL OF A MODULE DOES NOT INTERRUPT A GROUNDING CONDUCTOR TO ANOTHER MODULE.  
2.5.7 GROUNDING AND BONDING CONDUCTORS, IF INSULATED, SHALL BE COLORED GREEN OR MARKED GREEN IF #4 AWG OR LARGER PER NEC 250.  
2.5.8 THE GROUNDING ELECTRODE SYSTEM COMPLIES WITH NEC 690 AND NEC 250. IF EXISTING SYSTEM IS INACCESSIBLE, OR INADEQUATE, A GROUNDING ELECTRODE SYSTEM PROVIDED IN ACCORDANCE WITH NEC 250, NEC 690 AND THE AHJ.  
2.5.9 GROUND-FAULT DETECTION SHALL COMPLY WITH NEC 690 TO REDUCE FIRE HAZARDS

## DISCONNECTION AND OVERCURRENT PROTECTION NOTES

2.6.1 DISCONNECTING SWITCHES SHALL BE WIRED SUCH THAT WHEN THE SWITCH IS OPENED THE CONDUCTORS REMAINING ENERGIZED ARE CONNECTED TO THE TERMINALS MARKED "LINE SIDE" (TYPICALLY THE UPPER TERMINALS).  
2.6.2 DISCONNECTS TO BE ACCESSIBLE TO QUALIFIED UTILITY PERSONNEL, BE LOCKABLE, AND BE A VISIBLE-BREAK SWITCH  
2.6.3 PV SYSTEM CIRCUITS INSTALLED ON OR IN HABITABLE BUILDINGS SHALL INCLUDE A RAPID SHUTDOWN FUNCTION TO REDUCE SHOCK HAZARD FOR EMERGENCY RESPONDERS IN ACCORDANCE WITH 690.  
2.6.4 ALL OCPD RATINGS AND TYPES SPECIFIED ACCORDING TO NEC 690 AND 240.  
2.6.5 INVERTER ON-GRID BRANCHES SHALL BE CONNECTED TO A SINGLE BREAKER OR GROUPED FUSE DISCONNECT(S) IN ACCORDANCE WITH NEC 110.  
2.6.6 IF REQUIRED BY THE AHJ, SYSTEM WILL INCLUDE AFCI-FAULT CIRCUIT PROTECTION IN ACCORDANCE WITH NEC 690 AND UL 1699B.

INTERCONNECTION NOTES  
2.7.1 LOAD SIDE INTERCONNECTION SHALL BE IN ACCORDANCE WITH NEC 705.  
2.7.2 THE SUM OF THE UTILITY OCPD AND INVERTER CONTINUOUS OUTPUT MAY NOT EXCEED 120 PERCENT OF BUSBAR RATING PER NEC 705.  
2.7.3 THE SUM OF 125 PERCENT OF THE POWER SOURCE(S) OUTPUT CIRCUIT CURRENT AND THE RATING OF THE OVERCURRENT DEVICE PROTECTING THE BUSBAR SHALL NOT EXCEED 120 PERCENT OF THE AMPACITY OF THE BUSBAR. PV DEDICATED BACKFEED BREAKERS MUST BE LOCATED OPPOSITE END OF THE BUS FROM THE UTILITY SOURCE OCPD PER NEC 705.  
2.7.4 AT MULTIPLE ELECTRIC POWER SOURCES OUTPUT COMBINER PANEL, TOTAL RATING OF ALL OVERCURRENT PROTECTION DEVICES SHALL NOT EXCEED AMPACITY OF BUSBAR. HOWEVER, THE MAIN OVERCURRENT PROTECTION DEVICE MAY BE EXCLUDED IN ACCORDANCE WITH NEC 705.  
2.7.5 FEEDER TAP INTERCONNECTION (LOAD SIDE) IN ACCORDANCE WITH NEC 705.  
2.7.6 SUPPLY SIDE TAP INTERCONNECTION IN ACCORDANCE WITH TO NEC 705 WITH SERVICE ENTRANCE CONDUCTORS IN ACCORDANCE WITH NEC 230.  
2.7.7 BACKFEEDING BREAKER FOR ELECTRIC POWER SOURCES OUTPUT IS EXEMPT FROM ADDITIONAL FASTENING PER NEC 705.



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APN #: 110661 0017 01  
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UTILITY: DUKE ENERGY  
PROGRESS

SYSTEM DETAILS  
12,320 KW DC-1STC / 10,840 KW AC  
(28) HYDROLINK-H400P(BK)  
(28) INVERTER-H400P(BK)  
(1) GENERAC PWRCELL 2 APRIE00075  
(6) GENERAC PWRCELL G0080040

## REVISIONS

| REV | DESCRIPTION | DATE |
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## SHEET TITLE

## NOTES

DRAWN DATE 10/14/2025

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## SHEET NUMBER

PV-05

**⚠ WARNING**

ELECTRICAL SHOCK HAZARD

TERMINALS ON THE LINE AND  
LOAD SIDES MAY BE ENERGIZED  
IN THE OPEN POSITION

LABEL LOCATION: COMBINER PANEL, AC  
DISCONNECT, POINT OF INTERCONNECTION  
PER CODE: NEC 706.15(C)(4), NEC 690.13(B)

**⚠ WARNING**

TURN OFF PHOTOVOLTAGIC  
DISCONNECT PRIOR TO  
WORKING INSIDE PANEL

LABEL LOCATION: COMBINER PANEL(S), MAIN SERVICE DISCONNECT  
PER CODE: NEC 110.27(C), OSHA 1910.145(f)(7)

**⚠ PHOTOVOLTAGIC POWER SOURCE**

LABEL LOCATION: DC CONDUIT/TRACEWAYS  
PER CODE: NEC 690.31(D)(2)

**⚠ SOLAR PV DC CIRCUIT**

LABEL LOCATION: DC CONDUIT/TRACEWAYS  
PER CODE: NEC 690.31(D)(2)

**⚠ PHOTOVOLTAGIC SYSTEM AC DISCONNECT**

RATED AC OUTPUT CURRENT: **44.24 A**

NOMINAL OPERATING AC VOLTAGE: **240 V**

LABEL LOCATION: AC DISCONNECT/POINT OF INTERCONNECTION  
PER CODE: NEC 690.24

**⚠ WARNING DUAL POWER SOURCE**

SECOND SOURCE IS PHOTOVOLTAGIC SYSTEM

LABEL LOCATION: MAIN SERVICE DISCONNECT, PRODUCTION/NET METER  
PER CODE: NEC 690.59, 706.12(C)

**PV SYSTEM**

**DISCONNECT**

LABEL LOCATION: AC DISCONNECT  
PER CODE: NEC 690.13(B)

**⚠ WARNING**

THIS EQUIPMENT FED BY MULTIPLE

SOURCES:

TOTAL RATING OF ALL OVERCURRENT  
DEVICES EXCLUDING MAIN POWER  
SUPPLY SHALL NOT EXCEED  
AMPACITY OF BUSBAR

LABEL LOCATION: AC DISCONNECT  
PER CODE: NEC 705.12(B)(3)(3)

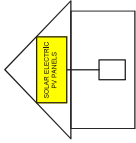
**⚠ WARNING**

POWER SOURCE OUTPUT  
CONNECTION. DO NOT RELOCATE  
THIS OVERCURRENT DEVICE.

LABEL LOCATION: POINT OF INTERCONNECTION  
PER CODE: NEC 705.12(B)(3)(2)

**SOLAR PV SYSTEM EQUIPPED  
WITH RAPID SHUTDOWN**

TURN RAPID SHUTDOWN  
SWITCH TO THE  
"OFF" POSITION TO  
SHUT DOWN PV SYSTEM  
AND REDUCE  
SHOCK HAZARD  
IN THE ARRAY



LABEL LOCATION: MAIN SERVICE DISCONNECT  
PER CODE: NEC 690.56(C)

**MAIN PHOTOVOLTAGIC  
SYSTEM DISCONNECT**

LABEL LOCATION: MAIN SERVICE DISCONNECT, UTILITY METER  
PER CODE: NEC 690.13(B)

**RAPID SHUTDOWN SWITCH  
FOR SOLAR PV SYSTEM**

LABEL LOCATION: RSD INITIATION DEVICE, AC DISCONNECT  
PER CODE: NEC 690.56(C)(2)

**⚠ CAUTION**

PHOTOVOLTAGIC SYSTEM CIRCUIT IS BACKFEED

LABEL LOCATION: MAIN SERVICE DISCONNECT  
PER CODE: NEC 706.12(D), NEC 690.59

**DO NOT DISCONNECT  
UNDER LOAD**

LABEL LOCATION: MAIN SERVICE DISCONNECT  
PER CODE: NEC 690.15(B) & NEC 690.33(D)(2)

**MAXIMUM DC VOLTAGE**

**OF PV SYSTEM**

LABEL LOCATION: DC DISCONNECT/INVERTER/PV DIST.  
EQUIPMENT  
PER CODE: NEC 690.53

**⚠ WARNING**

ELECTRICAL SHOCK HAZARD

TERMINALS ON BOTH LINE AND  
LOAD SIDES MAY BE ENERGIZED  
IN THE OPEN POSITION

DC VOLTAGE IS ALWAYS PRESENT WHEN  
SOLAR MODULES ARE EXPOSED TO SUNLIGHT

LABEL LOCATION: DC DISCONNECT  
PER CODE: NEC 690.13(B)

**WARNING MULTIPLE POWER SOURCE**

SOURCES: UTILITY GRID, PV AND ESS SYSTEM

LABEL LOCATION: MAIN SERVICE DISCONNECT, PRODUCTION/NET METER  
PER CODE: NEC 690.59, 706.12(C)

**EMERGENCY DISCONNECT  
SERVICE DISCONNECT**

SURGE PROTECTOR DEVICE INSTALLED PER NEC 250.27(D)

LABEL LOCATION: MAIN SERVICE PANEL



Wyssling Consulting, PLLC  
76 N Meadowbrook Drive Alpine UT 84004  
North Carolina CDM # P-2208

Signed 10/15/2025

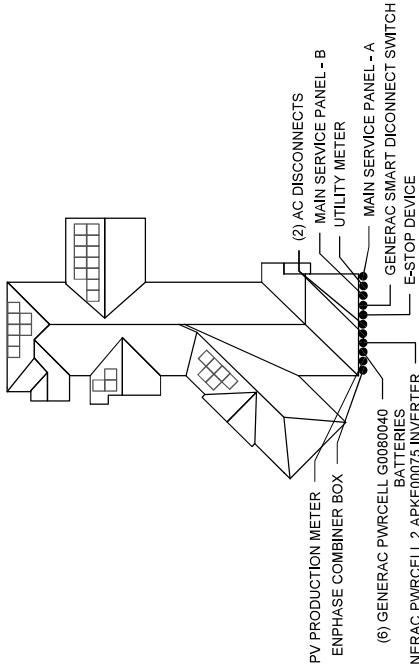
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**CAUTION**

MULTIPLE SOURCES OF POWER.  
POWER TO THIS BUILDING IS ALSO SUPPLIED  
FROM THE FOLLOWING SOURCES WITH  
DISCONNECTS LOCATED AS SHOWN:

ADDRESS: 2229 NEILLS CREEK RD, LILLINGTON, NC 27456



**CONTRACTOR**

SOLARTYME BY AAPCO  
6710 JEFFERSON DAVIS HWY  
RICHMOND, VIRGINIA 23237  
PHONE - (804) 271-2500  
LIC. NO. - 2705036452

**PROJECT NAME & ADDRESS**

ERIC MEAUX  
2229 NEILLS CREEK RD,  
LILLINGTON, NC 27456

APN #: 110661 0017 01  
AHJ: HARNETT COUNTY  
UTILITY: DUKE ENERGY  
PROGRESS

**SYSTEM DETAILS**

12,320 KW DC-(STC) / 10,840 KW AC  
(28) HYDROLY HIN-1440(FBK)  
(28) HYDROLY HIN-1440(FBK)  
(1) GENERAC PWRCELL 2 APKE00075  
(6) GENERAC PWRCELL G0080040

**REVISIONS**

| REV | DESCRIPTION | DATE |
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**SHEET TITLE**

**WARNING LABELS**

| DRAWN DATE | 10/14/2025 |
|------------|------------|
| DRAWN BY   | DGD        |

**SHEET NUMBER**

PV-06

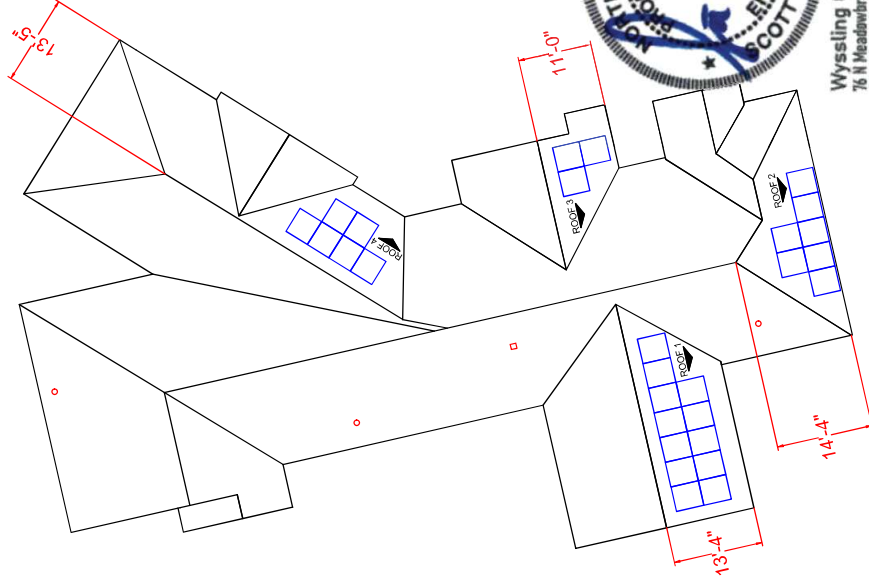
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A B C D E F

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FRONT OF HOUSE



Wyssling Consulting, PLLC  
76 N Meadowbrook Drive Alpine UT 84004  
North Carolina CQA # P-2208

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\*\*DIMENSIONS ARE 2D (FLAT)

CONTRACTOR

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LIC. NO. - 2705036452

PROJECT NAME & ADDRESS  
ERIC MEAUX  
2229 NEILLS CREEK RD,  
LILLINGTON, NC 27456

APN #: 110661 0017 01  
AHJ: HARNETT COUNTY  
UTILITY: DUKE ENERGY  
PROGRESS

SYSTEM DETAILS  
12,320 KW (DC+1STC) / 10,640 KW AC  
(28) HYDRO-1 HNC-1440 (HBC)  
(18) HARNETT COUNTY (HNC) (HBC)  
(1) GENERAC PWRCELL 2 APRK00075  
(6) GENERAC PWRCELL G0080040

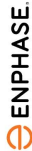
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SHEET TITLE  
INSTALLATION  
RESOURCE

|            |            |
|------------|------------|
| DRAWN DATE | 10/14/2025 |
| DRAWN BY   | DGD        |

SHEET NUMBER  
PV-07





## IQ8HC Microinverter

Our newest IQ8 Series Microinverters are the industry's first microgrid-forming<sup>1</sup>, software-defined microinverters with self-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 55-nm technology with high-speed digital logic and has superfast 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 IQ Battery, IQ Gateway, and the Enphase App<sup>2</sup> for monitoring and analysis software.



Connect PV modules quickly and easily to the IQ8 Series Microinverters that have integrated MC4 connectors.



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



IQ8 Series Microinverters are UL Listed as PV rapid shutdown equipment and conform with various regulations when installed according to the manufacturer's instructions.

<sup>1</sup>Meets UL 1741 only when installed with IQ3 System Controller 2 or 3.  
<sup>2</sup>Enphase Energy App is only available on iOS and Android. IQ8 and earlier other models listed at <https://enphase.com/en-us/compatibility> are trademarks of Enphase Energy, Inc. in the U.S. and other countries. Data subject to change.

DATA SHEET

## IQ8HC Microinverter

| INPUT DATA (DC)                                                                                                        | UNITS | IQ8HC-72-M-US / IQ8HC-72-M-QDK-US <sup>1</sup> |
|------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------|
| Commonly used module pairings: <sup>2</sup>                                                                            | W     | 320-540                                        |
| Module compatibility                                                                                                   | —     | —                                              |
| MPPT voltage range                                                                                                     | V     | 29.5-45                                        |
| Operating range                                                                                                        | V     | 18-58                                          |
| Minimum/Maximum start voltage                                                                                          | V     | 22/58                                          |
| Maximum input DC voltage                                                                                               | V     | 60                                             |
| Maximum continuous operating DC current                                                                                | A     | 14                                             |
| Maximum input DC short-circuit current                                                                                 | A     | 25                                             |
| Maximum module $I_{sc}$                                                                                                | A     | 20                                             |
| Overvoltage class DC port                                                                                              | —     | II                                             |
| DC port backfeed current                                                                                               | mA    | 0                                              |
| PV array configuration                                                                                                 | —     | —                                              |
| Ungrounded array; no additional DC side protection required; AC side protection requires max. 20 A per branch circuit. |       |                                                |

To meet compatibility, PV modules must be within the maximum input DC voltage and maximum module  $I_{sc}$  listed below. Module compatibility can be checked at <https://enphase.com/installation/microinverter/compatibility>.

| OUTPUT DATA (AC)                                         | UNITS           | IQ8HC-72-M-US @240 VAC<br>IQ8HC-72-M-QDK-US @240 VAC | IQ8HC-72-M-US @248 VAC<br>IQ8HC-72-M-QDK-US @248 VAC |
|----------------------------------------------------------|-----------------|------------------------------------------------------|------------------------------------------------------|
| Peak output power                                        | VA              | 384                                                  | 368                                                  |
| Maximum continuous output power                          | VA              | 380                                                  | 360                                                  |
| Nominal grid voltage (L-L), 180°                         | V               | 240, split-phase (L-L), 180°                         | 208, single-phase (L-L), 20°                         |
| Minimum and maximum grid voltage <sup>3</sup>            | V               | 211-264                                              | 183-229                                              |
| Maximum continuous output current                        | A               | 1.58                                                 | 1.73                                                 |
| Nominal frequency                                        | Hz              | 60                                                   | 60                                                   |
| Extended frequency range                                 | Hz              | 47-58                                                | 47-58                                                |
| AC short-circuit fault current over three cycles         | A <sub>sc</sub> | 10                                                   | 9                                                    |
| Maximum units per 20 A (L-L) branch circuit <sup>4</sup> | —               | —                                                    | —                                                    |
| Total harmonic distortion                                | %               | —                                                    | 4.5                                                  |
| Overvoltage class AC port                                | —               | —                                                    | III                                                  |
| AC port backfeed current                                 | mA              | 18                                                   | 18                                                   |
| Power factor setting                                     | —               | —                                                    | 1.0                                                  |
| Grid-tied power factor (adjustable)                      | —               | 0.85 leading... 0.85 lagging                         | —                                                    |
| Peak efficiency                                          | %               | 97.3                                                 | 97.2                                                 |
| CEC weighted efficiency                                  | %               | 97.0                                                 | 96.5                                                 |
| Nighttime power consumption                              | mW              | 22                                                   | 26                                                   |

### MECHANICAL DATA

|                                              |                     |                                                                    |
|----------------------------------------------|---------------------|--------------------------------------------------------------------|
| Ambient temperature range                    | °C (°F)             | -40 to 65 (-40 to 148)                                             |
| Relative humidity range                      | %                   | 4 to 100 (condensing)                                              |
| DC connector type                            | —                   | Standard MC4                                                       |
| Dimensions (H x W x D), Weight               | mm (in);<br>kg (lb) | 212 (8.3) x 175 (6.9) x 30.2 (1.2);<br>11 (2.43)                   |
| Cooling                                      | —                   | Natural convection - no fans                                       |
| Approved for wet locations: Pollution degree | —                   | Yes: PD3                                                           |
| Enclosure                                    | —                   | Class II double-insulated, corrosion-resistant polymeric enclosure |
| Environmental category; UV exposure rating   | —                   | NEMA Type II; outdoor                                              |

<sup>1</sup>IQ8HC-72-M-QDK-US is undergoing compliance, and the specs are preliminary. This SKU is made in the USA, and the PCBs, Electrical Parts, and Enclosure are domestically manufactured to meet the requirements of eligibility to be considered for the FTC Domestic Content Bonus adder.  
<sup>2</sup>Enphase Energy App is only available on iOS and Android. IQ8 and earlier other models listed at <https://enphase.com/en-us/compatibility> are trademarks of Enphase Energy, Inc. in the U.S. and other countries. Data subject to change.  
<sup>3</sup>Nominal voltage range can be extended beyond nominal if required by the utility.  
<sup>4</sup>Limits may vary refer to local requirements to define the number of microinverters per branch in your area.

IQ8HC-MC4-I08H-00047-S-0-E4-US-0024-07-19

### CONTRACTOR

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PHONE - (804) 271-2500  
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PROJECT NAME & ADDRESS  
ERIC MEAUX  
2229 NEILLS CREEK RD,  
LILLINGTON, NC 27456

APN #: 110661 0017 01  
AHJ: HARNETT COUNTY  
UTILITY: DUKE ENERGY  
PROGRESS

SYSTEM DETAILS  
12,320 KW (DC+ITC) / 10,840 KW AC  
(28) HYDRA-1 HIN-1440NFBK  
(28) HYDRA-1 HIN-1440NFBK  
(1) GENERAC PWRCELL 2 APKE00075  
(6) GENERAC PWRCELL G08B0040

### REVISIONS

| REV | DESCRIPTION | DATE |
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INSTALLATION  
RESOURCE

DRAWN DATE 10/14/2025

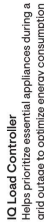
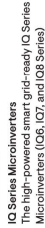
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SHEET NUMBER

R-02



The IQ Combiner 5/5C consolidates interconnection equipment into a single enclosure and streamlines IQ Series Microinverters and IQ Gateway installation by providing a consistent, pre-wired solution for residential applications. IQ Combiner 5/5C uses wired control communication and is compatible with IQ System Controller 3/3G and IQ Battery 5P.



\*For country-specific warranty information, see the <https://enphase.com/installers/resources/warranty> page.

## MODEL NUMBER

**IQ Combiner 5**  
**(X-IQ-AM1-240-5/ X-IQ-AM1-240-5-HDK)**

**IQ Combiner 5C**  
(X-IQ-AM1-240-5C / X-IQ-AM1-240-5C-HDK)

## WHAT'S IN THE BOX

Busbar

X-IQ-AM1-240-5-HDK  
X-IQ-AM1-240-5C-HDK  
X-IQ-AM1-240-5  
X-IQ-AM1-240-5C

## Smart

- Includes IQ Gateway for communication and control
- Includes Enphase Mobile Connect (CELLMODEM-M1-06-SP-05), only with IQ Combiner 5C
- Supports flexible networking: Wi-Fi, Ethernet, or cellular
- Provides production metering (revenue grade) and consumption monitoring

## Easy to install

- Mounts to one stud with centered brackets
- Supports bottom, back, and side conduit entries
- Supports up to four 2-pole branch circuits for 240 VAC plug-in breakers (not included)
- 80 A total PV branch circuits
- Factory installed hold-down kit
- Bluetooth-based Wi-Fi provisioning for easy Wi-Fi setup

## Reliable

- Durable NRTL-certified NEMA type 3R enclosure
- 5-year limited warranty
- 2-year labor reimbursement program coverage included for IQ Combiner SKUs\*
- UL1741 Listed

tested

## ELECTRICAL SPECIFICATIONS

|                                                           |          |
|-----------------------------------------------------------|----------|
| Rating                                                    | 80 A     |
| System voltage and frequency                              | 120/2/60 |
| Busbar rating                                             | 125 A    |
| Fault current rating                                      | 10 kA    |
| Maximum continuous current rating (input from PV storage) | 64 A     |

Branch circuits (solar and/or storage)

Maximum total branch circuit breaker rating (input)

## IQ Gateway breaker

Production metering CT

<sup>1</sup> A plug-and-play industrial-grade cell modem for systems of up to 60 microconverters. Available in the United States, Canada, Mexico, Puerto Rico, and the US Virgin Islands, where there is adequate cellular service in the installation area.

IQC-5-5C-DSH-00007-6.0-EN-US-2024-09-30

## CONTRACTOR

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PROJECT NAME & ADDRESS  
ERIC MEAUX

2229 NEILLS CREEK RD,  
LILLINGTON, NC 27456

APN #: 110661 0017 01  
AHJ: HARNETT COUNTY  
UTILITY: DUKE ENERGY  
PROGRESS

## SYSTEM DETAILS

12.320 KW DC-(STC) / 10.640 KW AC  
(28) HYUNDAI HIN-T40NF(BK)  
(28) ENPHASE IQ8HC-72-M-US  
(1) GENERAC PWRCELL 2 APKE00075  
(6) GENERAC PWRCELL G0080040

## REVISIONS

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INSTALLATION  
RESOURCE

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| DRAWN DATE | 10/14/2025 |
| DRAWN BY   | DGD        |

**SHEET NUMBER**

R-03

## 11.5 kW PWRcell 2 Inverter

MODEL NUMBER: APKE00075

This 11.5 kW max continuous power inverter moves power from the battery to the home or the AC connected solar PV array into the battery and has enough power to start up to a 5-ton air conditioner without a soft starter.

### Features & Benefits

- Up to 236 LRA when configured with two battery cabinets
- Can be configured with up to 2 inverters and 4 battery cabinets for 72 kWh of capacity and 23 kW continuous power
- Works with PWRcell 2 – an AC coupled system



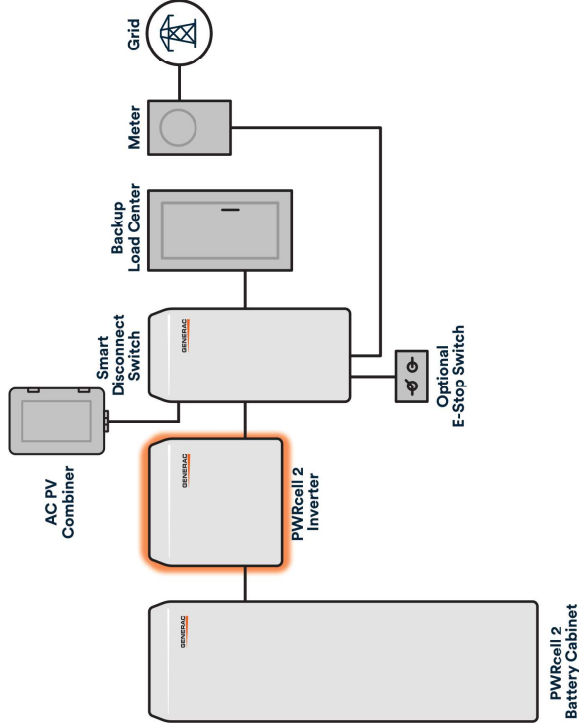
### Specifications

| AC OUTPUT                     |                                             |
|-------------------------------|---------------------------------------------|
| Maximum Continuous AC Power   | 11.5 kW                                     |
| Maximum DC Power              | 12 kW                                       |
| Maximum Continuous AC Current | 48 A                                        |
| Overcurrent Protection        | 60 A                                        |
| Operating AC Voltage Range    | 105 - 132 VAC (120 nominal)                 |
| Nominal Power Factor          | 0-1                                         |
| LRA                           | 236                                         |
| Maximum AC Fault Current      | 175 A                                       |
| DC INPUT                      |                                             |
| Nominal Input Voltage         | 400 VDC                                     |
| DC Input Voltage Range        | 360 to 420 VDC                              |
| Maximum DC Input Current      | 34 A                                        |
| PERFORMANCE                   |                                             |
| Operating Frequency           | 60 Hz                                       |
| CEC Efficiency                | 98.50%                                      |
| Warranty                      | 10 years                                    |
| MECHANICAL                    |                                             |
| Dimensions - in (cm)          | 22.8 x 8.1 x 24.1<br>(57.91 x 20.57 x 61.2) |
| Weight - lbs (kg)             | 61 (27.67)                                  |
| Mounting Options              | Wall                                        |

### CONFIGURATION

## Whole Home Backup

The PWRcell 2 Inverter is an integral component of the PWRcell 2 Home Energy Storage System.



Generac Power Systems, Inc., 845 W25290 Hwy 59, Waukegan, WI 53199  
www.Generac.com | 888-GENERAC (368-3722)  
REV A 01/2025  
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**GENERAC**

### CONTRACTOR

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LILLINGTON, NC 27456

APN #: 110661 0017 01  
AHJ: HARNETT COUNTY  
UTILITY: DUKE ENERGY  
PROGRESS

**SYSTEM DETAILS**  
12,320 KW (DC+STC) / 10,640 KW AC  
(28) HYDRA-UL HIN-1440 (HFK)  
(18) HYDRA-UL HIN-1440 (HFK)  
(1) GENERAC PWRCELL 2 APKE00075  
(6) GENERAC PWRCELL G0080040

### REVISIONS

| REV | DESCRIPTION | DATE |
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**SHEET TITLE**  
**INSTALLATION**  
**RESOURCE**

DRAWN DATE 10/14/2025

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### SHEET NUMBER

R-04

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------|
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|                                                                                                                                                                                                           |             |      |
| PROJECT NAME & ADDRESS<br>ERIC MEAUX<br>2229 NEILLS CREEK RD,<br>LILLINGTON, NC 27456                                                                                                                     |             |      |
| APN #: 110661 0017 01<br>AHJ: HARNETT COUNTY<br>UTILITY: DUKE ENERGY<br>PROGRESS                                                                                                                          |             |      |
| SYSTEM DETAILS<br>12,320 KW DC-1STC / 10,840 KW AC<br>(28) HYUNDAI HIN-140NFBK<br>(28) HYUNDAI HIN-140NFBK<br>(28) HYUNDAI HIN-140NFBK<br>(1) GENERAC PWRCELL 2 APKE00075<br>(6) GENERAC PWRCELL G0080040 |             |      |
| REVISIONS                                                                                                                                                                                                 |             |      |
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| SHEET TITLE<br>INSTALLATION<br>RESOURCE                                                                                                                                                                   |             |      |
| DRAWN DATE                                                                                                                                                                                                | 10/14/2025  |      |
| DRAWN BY                                                                                                                                                                                                  | DGD         |      |
| SHEET NUMBER<br>R-05                                                                                                                                                                                      |             |      |



GENERAC®

PWRCELL

3.0kWh DCB BATTERY MODULE

3.0kWh Prevalent DCB Battery Module  
Model # BU-DCB022400 (Formerly JBU G0080040)



Build a better backup system with the Generac DCB Battery Module for PWRcell™. Stack as few as three or as many as six DCB modules to match battery capacity and backup power to a specific application. Upgrade a PWRcell Battery post-installation with the addition of more DCB modules for more power and capacity.

FEATURES & BENEFITS

- Suitable for indoor and outdoor use
- Modular: Stack the right number of battery modules for the application
- Upgradable: Add more modules later when consumer needs change
- Easy to install: At just 55lbs, installers won't need special equipment to move and install these batteries

SPECIFICATIONS

|                                            |                                            |
|--------------------------------------------|--------------------------------------------|
| NOMINAL VOLTAGE:                           | 46.8 VDC                                   |
| USABLE CAPACITY @ TYPICAL VOLTAGE:         | 3.00 kWh                                   |
| MAXIMUM AMBIENT OPERATING TEMPERATURE:     | 14 to 122 °F<br>(-10 to 50 °C)             |
| RECOMMENDED AMBIENT OPERATING TEMPERATURE: | 41 to 104 °F<br>(5 to 40 °C)               |
| RECOMMENDED STORAGE TEMPERATURE:           | 68 °F (20 °C)                              |
| SCALABILITY:                               | 3-6 pcs in series                          |
| DIMENSIONS:<br>L x W x H - IN (MM):        | 17.3" x 17.3" x 3.3"<br>(440 x 450 x 84)   |
| WEIGHT - LB (KG):                          | 55 (25)                                    |
| BATTERY CHEMISTRY:                         | Nickel Manganese Cobalt (NMC)              |
| WARRANTY:                                  | 10 years or 756MWh Throughput (per module) |

Note: Charge/discharge rate may be reduced at temperature extremes

Generac Power Systems, Inc.  
545 W29290 Hwy. 159, Waukegan, WI 53189  
[www.Generac.com](http://www.Generac.com) | 888-GENERAC (436-3722)  
A0000953959 REV C

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GENERAC®

# STRONGHOLD™ | BUTYL



Unirac's STRONGHOLD® Butyl is efficient, dependable, and optimized for UNIRAC's NXT UMount® system. The pre-applied butyl pad removes the need for additional flashing. Just peel the liner, place the attachment, and fasten it to the roof. In addition, the butyl, used throughout the roofing and solar industries for its reliability, conforms to the screws and roof for a robust, dependable seal with no extra work! Couple this with the NXT UMount® system, and you have a highly reliable, easy-to-install system with integrated wire management.



#### KITTED WITH

- ONE (1) STRONGHOLD® Butyl direct-to-deck attachment with pre-applied butyl patch (Extra patches for shimming available.)
- TWO (2) screws for rafter installation (Additional screws for direct-to-deck applications available.)
- ONE (1) NXT Rail Clamp

# STRONGHOLD™ | BUTYL



#### SIMPLIFIED FLASHLESS SOLUTION

- One-step Butyl application
- Reliable waterproofing without messy sealant
- Eliminate roof disturbance
- Minimize labor

#### OPTIMIZED FOR NXT UMount, UNIRAC'S OPEN CHANNEL RAIL SYSTEM

- Open slot design for ease of rail connectivity with included STRONGHOLD® NXT rail clamp
- STRONGHOLD® Butyl combined with the NXT UMount system make installation and wire management a breeze
- UL Certified with NXT UMount

#### DUAL MOUNTING OPTIONS

- Pre-attached butyl pad: Simply peel, stick, and fasten with the two (2) included screws for rafter mount
- For direct-to-deck applications, additional decking screws are available

#### ADDITIONAL BENEFITS

- Mill and Dark Finishes
- Option for extra cross-course butyl patches
- Competitively priced with standard rafter attachments



## UNIRAC CUSTOMER SERVICE MEANS THE HIGHEST LEVEL OF PRODUCT SUPPORT



#### TECHNICAL SUPPORT

UNIRAC's technical support team is dedicated to answering questions & addressing issues in real time. An online library of documents including engineering reports, stamped letters and technical data sheets greatly simplifies your permitting and project planning process.

#### CERTIFIED QUALITY PROVIDER

UNIRAC is the only PV mounting vendor with ISO certifications for 9001:2015, 14001:2015 and OHSAS 18001:2007, which means we deliver the highest standards for fit, form, and function. These certifications demonstrate our excellence and commitment to first class business practices.

#### BANKABLE WARRANTY

Don't leave your project to chance. UNIRAC has the financial strength to back our products and reduce your risk. Have peace of mind knowing you are receiving products of exceptional quality. STRONGHOLD® products are covered by a twenty (20) year limited product warranty.

FOR QUESTIONS OR CUSTOMER SERVICE CONTACT: 505-242-6411 | SALES@UNIRAC.COM | WWW.UNIRAC.COM

FW20220403-V2

PROTECT YOUR REPUTATION WITH QUALITY RACKING SOLUTIONS BACKED BY ENGINEERING EXCELLENCE AND A SUPERIOR SUPPLY CHAIN

#### CONTRACTOR

SOLARTYME BY AAPCO  
6710 JEFFERSON DAVIS HWY  
RICHMOND, VIRGINIA 23237  
PHONE - (804) 271-2500  
LIC. NO. - 2705036452

PROJECT NAME & ADDRESS  
ERIC MEAUX  
2229 NELLIS CREEK RD,  
LILLINGTON, NC 27456

APN #: 110661 0017 01  
AHJ: HARNETT COUNTY  
UTILITY: DUKE ENERGY  
PROGRESS

SYSTEM DETAILS  
12,320 KW (DC+STC) / 10,640 KW AC  
(28) HYDROLINK-H40NFBK  
(28) UNIRAC PWRCELL 2 APKE00075  
(1) UNIRAC PWRCELL 2 APKE00075  
(6) UNIRAC PWRCELL G008040

#### REVISIONS

| REV | DESCRIPTION | DATE |
|-----|-------------|------|
|     |             |      |
|     |             |      |
|     |             |      |
|     |             |      |

SHEET TITLE  
INSTALLATION  
RESOURCE

DRAWN DATE 10/14/2025

DRAWN BY DGD

SHEET NUMBER

R-06

[illegible]

|                                                                                                                                                                                |             |      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------|
| CONTRACTOR                                                                                                                                                                     |             |      |
| SOLARTYME BY AAPCO<br>6710 JEFFERSON DAVIS HWY<br>RICHMOND, VIRGINIA 23237<br>PHONE - (804) 271-2500<br>LIC. NO. - 2705036452                                                  |             |      |
| PROJECT NAME & ADDRESS<br>ERIC MEAUX<br>2229 NEILLS CREEK RD,<br>LILLINGTON, NC 27456<br><br>APN #: 110661 0017 01<br>AHJ: HARNETT COUNTY<br>UTILITY: DUKE ENERGY<br>PROGRESS  |             |      |
| SYSTEM DETAILS<br>12,320 KW DC-(STC) / 10,640 KW AC<br>(1) INVERTER: SMA SUNNY<br>(28) ENPHASE IQ8HC-72A-US<br>(1) GENERAC PWRCELL 2 APKE00075<br>(6) GENERAC PWRCELL G0080040 |             |      |
| REVISIONS                                                                                                                                                                      |             |      |
| REV                                                                                                                                                                            | DESCRIPTION | DATE |
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| SHEET TITLE<br>INSTALLATION<br>RESOURCE                                                                                                                                        |             |      |
| DRAWN DATE                                                                                                                                                                     | 10/14/2025  |      |
| DRAWN BY                                                                                                                                                                       | DGD         |      |
| SHEET NUMBER<br>R-07                                                                                                                                                           |             |      |