PHOTOVOLTAIC ROOF MOUNT SYSTEM

17 MODULES-ROOF MOUNTED - 6.630 kW DC, 5.700 kW AC

462 BLUE ASPEN DR, FUQUAY-VARINA, NC 27526

PROJECT DATA	GENERAL NOTES	VICII
PROJECT462 BLUE ASPEN DR, ADDRESS:ADDRESS:FUQUAY-VARINA, NC 27526OWNER:SANDRA C PINTODESIGNER:ESRSCOPE: 6.630 kW DC ROOF MOUNT SOLAR PV SYSTEM WITH 17 JINKO SOLAR: JKM390M-72HBL-V 390W PV MODULES WITH 17 SOLAREDGE: S440 POWER OPTIMIZERS AND 01 SOLAREDGE: SE5700H-US (240V/5700W) INVERTER	7. A GROUNDING ELECTRODE SYSTEM IN ACCORDANCE WITH CEC 690.47 AND 250.50 THROUGH 60 AND 250-166 SHALL BE PROVIDED. PER NEC GROUNDING ELECTRODE SYSTEM OF EXISTING BUILDING MAY BE USED AND BONDED TO THE SERVICE ENTRANCE. IF EXISTING SYSTEM IS INACCESSIBLE OR INADEQUATE A SUPPLEMENTAL GROUNDING ELECTRODE WILL BE USED AT THE INVERTER LOCATION CONSISTING OF A UL LISTED 8 FT. GROUND ROD WITH ACORN CLAMP. GROUNDING ELECTRODE CONDUCTORS SHALL BE NO LESS THAN #8 AWG AND NO LARGER THAN #6 AWG COPPER AND BONDED TO THE EXISTING	prd 462 Fuq 2752 HOU
AUTHORITIES HAVING JURISDICTION: BUILDING: HARNETT COUNTY ZONING: HARNETT COUNTY UTILITY: DUKE ENERGY PROGRESS SHEET INDEX PV-1 COVER SHEET PV-2 SITE PLAN PV-3 ROOF PLAN & MODULES PV-4 ELECTRICAL PLAN PV-5 STRUCTURAL DETAIL PV-6 ELECTRICAL LINE DIAGRAM PV-7 WIRING CALCULATIONS PV-8 LABELS PV-9+ EQUIPMENT SPECIFICATIONS	 GROUNDING ELECTRODE TO PROVIDE FOR A COMPLETE SYSTEM. PHOTOVOLTAIC MODULES ARE TO BE CONSIDERED NON-COMBUSTIBLE. PHOTOVOLTAIC INSTALLATION WILL NOT OBSTRUCT ANY PLUMBING. MECHANICAL, OR BUILDING ROOF VENTS. ALL WIRING MUST BE PROPERLY SUPPORTED BY DEVICES OR MECHANICAL MEANS DESIGNED AND LISTED FOR SUCH USE. WIRING MUST BE PROPERLY SUPPORTED BY DEVICES OR MECHANICAL MEANS DESIGNED AND LISTED FOR SUCH USE. 11. ALL SINAGE TO BE PLACED IN ACCORDANCE WITH THE LOCAL BUILDING CODE. IF EXPOSED TO SUNLIGHT, IT SHALL BE UV RESISTANT. ALL PLAQUES AND SINAGE WILL BE INSTALLED AS REQUIRED BY THE NEC AND AHJ. 12. INVERTER(S) USED IN UNGROUNDED SYSTEM SHALL BE UL 1741 LISTED. 13. THE INSTALLATION OF EQUIPMENT AND ALL ASSOCIATED WIRING AND INTERCONNECTION SHALL BE PERFORMED ONLY BY QUALIFIED PERSONS [NEC 690.4(C)] 14. ALL OUTDOOR EQUIPMENT SHALL BE NEMA 3R RATED (OR BETTER), INCLUDING ALL ROOF MOUNTED TRANSITION BOXES AND SWITCHES. 15. ALL EQUIPMENT SHALL BE PROPERLY GROUNDED AND BONDED IN ACCORDANCE WITH NEC ARTICLE 250. 16. SYSTEM GROUNDING SHALL BE IN ACCORDANCE WITH NEC 690.41. 17. PV SYSTEM CIRCUITS INSTALLED ON OR IN BUILDINGS SHALL INCLUDE A RAPID SHUTDOWN FUNCTION IN ACCORDANCE WITH 	
SIGNATURE	 PV SYSTEM CIRCUTTS INSTALLED ON OR IN BUILDINGS SHALL INCLUDE A RAPID SHOTDOWN FUNCTION IN ACCORDANCE WITH NEC 690.12 DISCONNECTING MEANS SHALL BE LOCATED IN A VISIBLE, READILY ACCESSIBLE LOCATION WITHIN THE PV SYSTEM EQUIPMENT OR A MAXIMUM OF 10 FEET AWAY FROM THE SYSTEM [NEC 690.13(A)] ALL WIRING METHODS SHALL BE IN ACCORDANCE WITH NEC 690.31 WORK CLEARANCES AROUND ELECTRICAL EQUIPMENT WILL BE MAINTAINED PER NEC 110.26(A)(1), 110.26(A)(2) AND 110.26(A)(3). ROOFTOP MOUNTED PHOTOVOLTAIC PANELS AND MODULES SHALL BE TESTED, LISTED & IDENTIFIED IN ACCORDANCE WITH UL1703 ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT EXPANSION JOINTS AND ANCHOR CONDUIT RUNS AS REQUIRED PER NEC. 	CODE F 2018 NORTH CAROLIN 2018 NORTH CAROLIN 2018 NORTH CAROLIN 2017 NATIONAL ELECT MULTIONAL ELECT CONTINUE CO



PROJECT DESCRIPTION:

17 X JINKO SOLAR: JKM390M-72HBL-V 390W MONO MODULES ROOF MOUNTED SOLAR PHOTOVOLTAIC MODULES DC SYSTEM SIZE: 6.630 kW DC AC SYSTEM SIZE: 5.700 kW AC

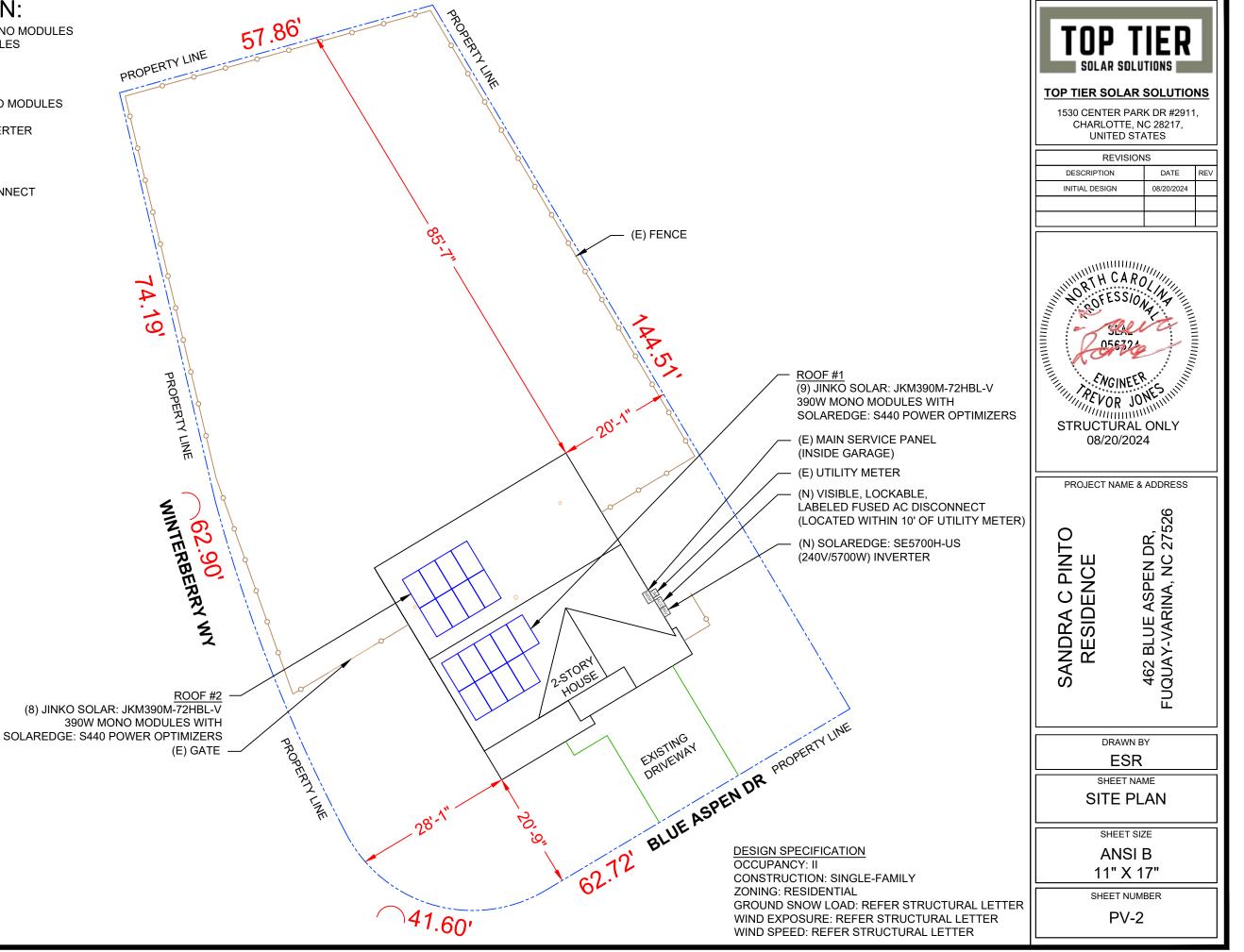
EQUIPMENT SUMMARY

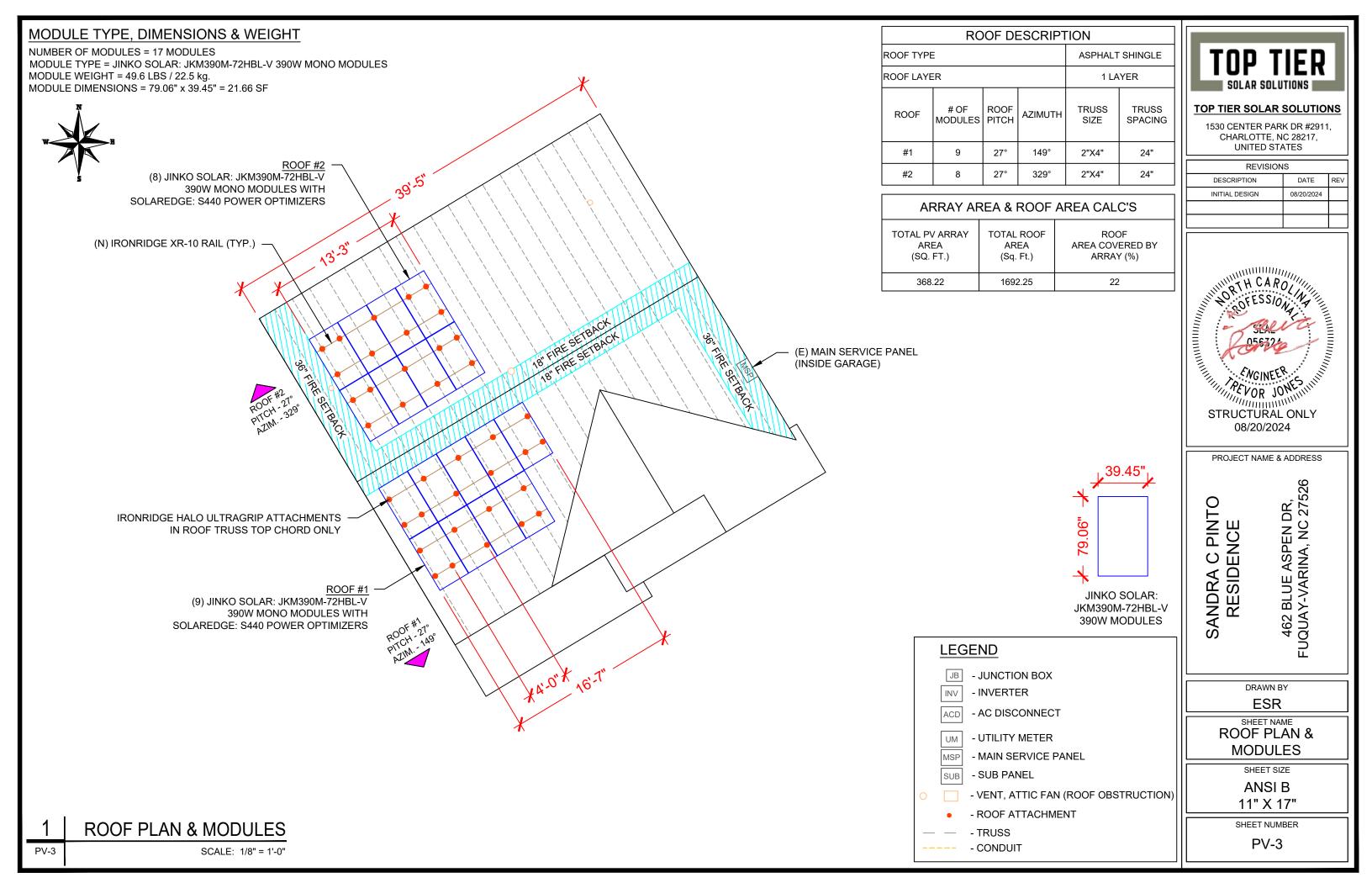
17 JINKO SOLAR: JKM390M-72HBL-V 390W MONO MODULES 17 SOLAREDGE: S440 POWER OPTIMIZERS 01 SOLAREDGE: SE5700H-US (240V/5700W) INVERTER

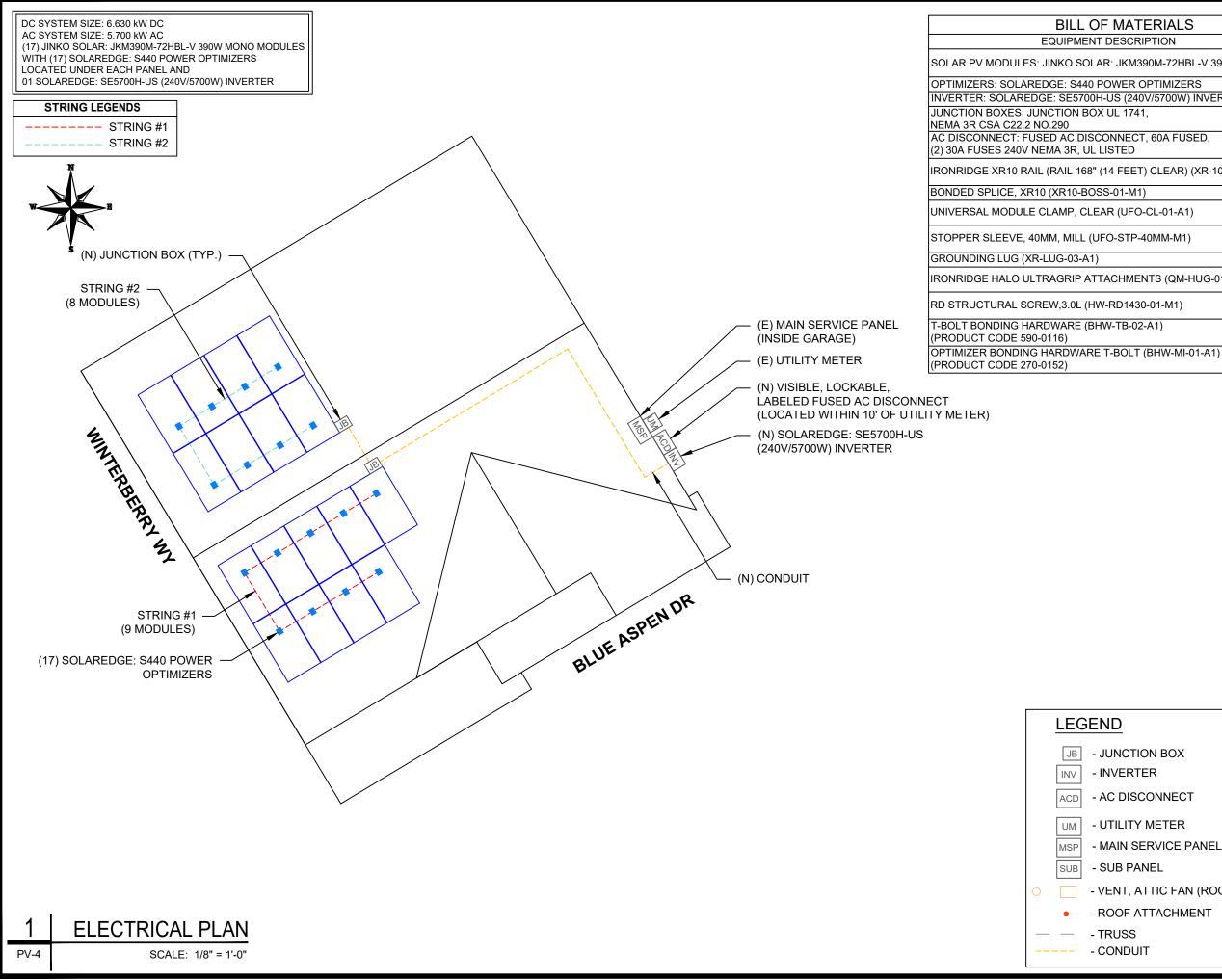
ROOF ARRAY AREA #1:- 194.94 SQ FT. ROOF ARRAY AREA #2:- 173.28 SQ FT.

NOTE: VISIBLE, LOCKABLE, LABELED AC DISCONNECT LOCATED WITHIN 10' OF UTILITY METER









TERIALS	
RIPTION	QTY
M390M-72HBL-V 390W MODULE	17
ROPTIMIZERS	17
40V/5700W) INVERTER	01
741,	2
CT, 60A FUSED,)	1
ET) CLEAR) (XR-10-168A)	10
<i>M</i> 1)	2
FO-CL-01-A1)	42
P-40MM-M1)	16
	4
IENTS (QM-HUG-01-M1)	38
430-01-M1)	76
02-A1)	38
T (BHW-MI-01-A1)	17



TOP TIER SOLAR SOLUTIONS

1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217,

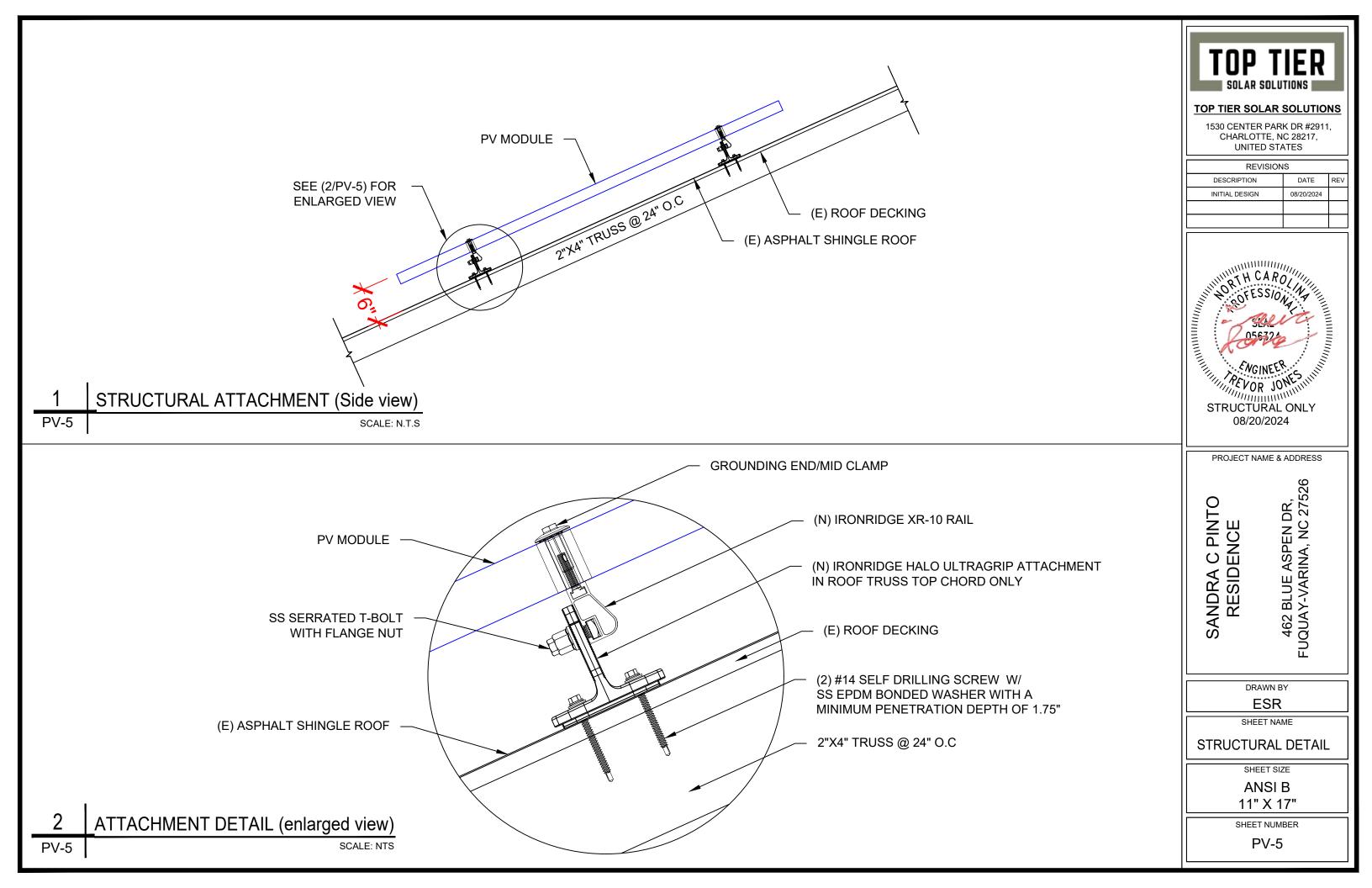
UNITED STATES									
REVISIONS									
DESCRIPTION	DATE REV								
INITIAL DESIGN	08/20/2024								
PROJECT NAME	& ADDRESS								
SANDRA C PINTO RESIDENCE	462 BLUE ASPEN DR, FUQUAY-VARINA, NC 27526								
DRAWN									
SHEET N	-								
ELECTRICA									
SHEET SIZE ANSI B 11" X 17"									

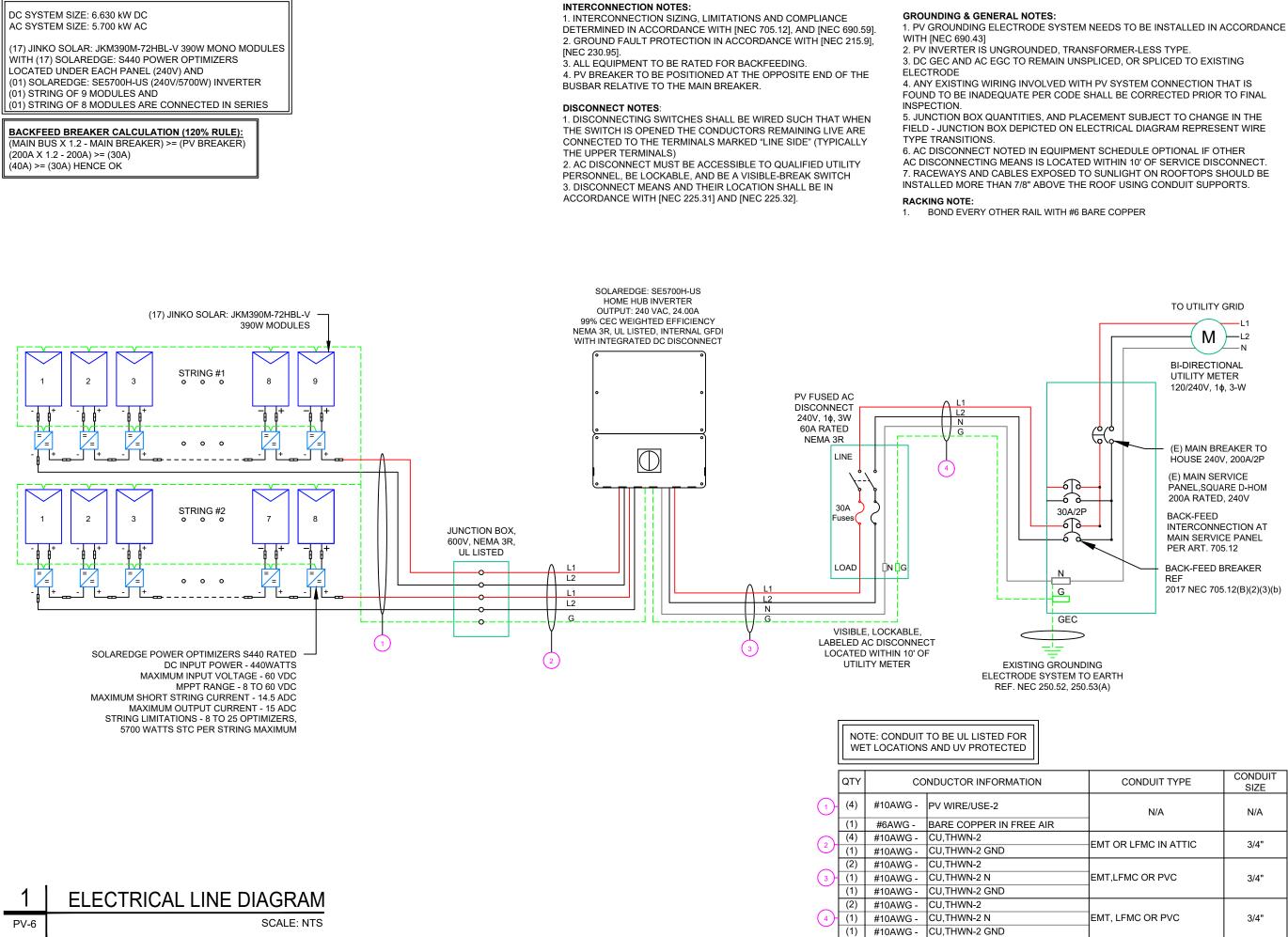
SHEET NUMBER

PV-4

- VENT, ATTIC FAN (ROOF OBSTRUCTION)

- ROOF ATTACHMENT





TOP TIER SOLAR SOLUTIONS TOP TIER SOLAR SOLUTIONS 1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217, UNITED STATES REVISIONS DESCRIPTION DATE REV INITIAL DESIGN 08/20/2024 TO UTILITY GRID Μ —L2 **BI-DIRECTIONAL** UTILITY METER 120/240V, 1ø, 3-W /0/0 (E) MAIN BREAKER TO HOUSE 240V, 200A/2P (E) MAIN SERVICE **PROJECT NAME & ADDRESS** PÁNEL, SQUARE D-HOM 200A RATED, 240V 526 BACK-FEED INTERCONNECTION AT **PINTO** MAIN SERVICE PANEL 462 BLUE ASPEN DR. FUQUAY-VARINA, NC 27 PER ART. 705.12 BACK-FEED BREAKER RESIDENC RFF 2017 NEC 705.12(B)(2)(3)(b) C SANDRA DRAWN BY ESR CONDUIT SHEET NAME CONDUIT TYPE SIZE ELECTRICAL LINE DIAGRAM N/A N/A SHEET SIZE EMT OR LFMC IN ATTIC 3/4" ANSI B 11" X 17" EMT, LFMC OR PVC 3/4" SHEET NUMBER PV-6 EMT, LFMC OR PVC 3/4"

SOLAF	MODULE SPECIFICATIONS		INVERTE	R SPECIFICATIONS		AMBIENT TEMPERATURE SPECS		
MANUFACTURER / MODEL # JINKO SOLAR: JKM390M-72HBL-V 390W MODULE		MANUFACTURER	/ MODEL #	SOLAREDGE: SE5700H-US (240V/5700W) INVERTER		AMBIENT TEMP (HIGH TEMP 2%) RECORD LOW TEMPERATURE		
MANOLACTONER/ MODEL		NOMINAL AC POWER		5.700 kW		MODULE TEMPERATURE COEFFICIENT OF Voc	-0.29%/°C	
VMP IMP	39.64V 9.84A	NOMINAL OUTPUT		240 VAC 24.00A]		
VOC	48.60V	PERCENT OF VALUES	-	ER OF CURRENT CONDUCTORS IN EMT				
ISC TEMP. COEFF. VOC	10.46A -0.29%/°C	.80		4-6				
MODULE DIMENSION	79.06"L x 39.45"W x 1.57"D (In Inch)	.70		7-9 10-20	{			

	DC FEEDER CALCULATIONS																	
CIRCUIT ORIGIN	CIRCUIT DESTINATION	VOLTAGE (V)	FULL LOAD AMPS "FLA" (A)	FLA*1.25 (A)	OCPD SIZE (A)	GROUND SIZE	CONDUCTOR SIZE	75°C AMPACITY (A)	AMPACITY CHECK #1	AMBIENT TEMP. (°C)	TOTAL CC CONDUCT ORS IN RACEWAY	90°C AMPACITY (A)	FOR AMBIENT	DERATION FACTOR FOR CONDUCTORS PER RACEWAY NEC 310.15(B)(3)(a)	90°C AMPACITY DERATED (A)	AMPACITY CHECK #2	FEEDER LENGTH (FEET)	CONDUCT RESISTAN (OHM/KF
STRING 1	JUNCTION BOX	380	15.00	18.75	20	BARE COPPER #6 AWG	CU #10 AWG	35	PASS	38	2	40	0.91	1	36.4	PASS	5	1.24
STRING 2	JUNCTION BOX	380	15.00	18.75	20	BARE COPPER #6 AWG	CU #10 AWG	35	PASS	38	2	40	0.91	1	36.4	PASS	5	1.24
JUNCTION BOX	INVERTER	380	15.00	18.75	20	CU #10 AWG	CU #10 AWG	35	PASS	38	4	40	0.91	0.8	29.12	PASS	35	1.24

String 1 Voltage D String 2 Voltage D

	AC FEEDER CALCULATIONS																		
	CIRCUIT DESTINATION	VOLTAGE (V)	FULL LOAD AMPS "FLA" (A)	FLA*1.25 (A)	OCPD SIZE (A)	NEUTRAL SIZE	GROUND SIZE	CONDUCTOR SIZE	75°C AMPACITY (A)	AMPACITY CHECK #1	AMBIENT TEMP. (°C)	TOTAL CC CONDUCTORS IN RACEWAY	90°C AMPACITY (A)	DERATION FACTOR FOR AMBIENT TEMPERATURE NEC 310.15(B)(2)(a)	FOR CONDUCTORS	AMPACITY	AMPACITY CHECK #2	FEEDER LENGTH (FEET)	
INVERTER	AC DISCONNECT	240	24	30	30	CU #10 AWG	CU #10 AWG	CU #10 AWG	35	PASS	38	2	40	0.91	1	36.4	PASS	5	\square
AC DISCONNECT	POI	240	24	30	30	CU #10 AWG	CU #10 AWG	CU #10 AWG	35	PASS	38	2	40	0.91	1	36.4	PASS	5	

CUMULATIVE VC

ELECTRICAL NOTES

- 1. ALL EQUIPMENT TO BE LISTED BY UL OR OTHER NRTL, AND LABELED FOR ITS APPLICATION.
- 2. ALL CONDUCTORS SHALL BE COPPER, RATED FOR 600 V AND 90 DEGREE C WET ENVIRONMENT.
- 3. WIRING, CONDUIT, AND RACEWAYS MOUNTED ON ROOFTOPS SHALL BE ROUTED DIRECTLY TO, AND LOCATED AS CLOSE AS POSSIBLE TO THE NEAREST RIDGE, HIP, OR VALLEY.
- 4. WORKING CLEARANCES AROUND ALL NEW AND EXISTING ELECTRICAL EQUIPMENT SHALL COMPLY WITH NEC 110.26.
- 5. DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS. CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, FITTINGS AND ACCESSORIES TO FULFILL APPLICABLE CODES AND STANDARDS.
- 6. WHERE SIZES OF JUNCTION BOX, RACEWAYS, AND CONDUITS ARE NOT SPECIFIED, THE CONTRACTOR SHALL SIZE THEM ACCORDINGLY.
- 7. ALL WIRE TERMINATIONS SHALL BE APPROPRIATELY LABELED AND READILY VISIBLE.
- 8. MODULE GROUNDING CLIPS TO BE INSTALLED BETWEEN MODULE FRAME AND MODULE SUPPORT RAIL, PER THE GROUNDING CLIP MANUFACTURER'S INSTRUCTION.
- 9. MODULE SUPPORT RAIL TO BE BONDED TO CONTINUOUS COPPER G.E.C. VIA WEEB LUG OR ILSCO GBL-4DBT LAY-IN LUG.
- 10. TEMPERATURE RATINGS OF ALL CONDUCTORS, TERMINATIONS, BREAKERS, OR OTHER DEVICES ASSOCIATED WITH THE SOLAR PV SYSTEM SHALL BE RATED FOR AT LEAST 75 DEGREE C.

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					TOP TIER SOL	AR SOLU Solar :	SOLUTIOI K DR #2911 C 28217, ATES	_
					DESCRIPT		DATE	REV
					INITIAL DES		08/20/2024	
CTOR ANCE /KFT)		GE DROP LA (%)	CONDUIT SIZE	CONDUIT FILL (%)			00/20/2024	
4	0	049	N/A	#N/A				
4		049	N/A	#N/A				
4	0.	343	3/4" EMT	19.79362				
rop	0	392						
rop		392						
CONDU RESIST (OHM)	ANCE	VOLTAGE DROP AT FLA (%)	CONDUIT	CONDUIT FILL (%)				
1.2 1.2		0.124 0.124	3/4" EMT 3/4" EMT					
OLTAGE D	ROP	0.248			PROJEC	T NAME &	ADDRESS	
					SANDRA C PINTO RESIDENCE		462 BLUE ASPEN UR, FUQUAY-VARINA, NC 27526	
					DRAWN BY ESR			
					S	HEET NA	ИE	
					WIRING	CALCU	ILATION	IS
					5	SHEET SIZ	Έ	
					.	ANSI	3	
						1" X 1		
							<i>ı</i>	
					SH	IEET NUM	BER	
						PV-7		
						i v-/		

PHOTOVOLTAIC POWER SOURCE

EVERY 10' ON CONDUIT & ENCLOSURES

LABEL- 1: <u>LABEL LOCATION:</u> EMT/CONDUIT RACEWAY SOLADECK / JUNCTION BOX CODE REF: NEC 690.31 (D)(2)

ELECTRIC SHOCK HAZARD

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

LABEL- 2: <u>LABEL LOCATION:</u> AC DISCONNECT CODE REF: NEC 690.13(B)

DUAL POWER SUPPLY

SOURCE: UTILITY GRID AND PV SOLAR ELECTRIC SYSTEM

LABEL- 3: <u>LABEL LOCATION:</u> MAIN SERVICE PANEL CODE REF: NEC 705.12(C) & NEC 690.59

SOLAR PV BREAKER:

BREAKER IS BACKFED DO NOT RELOCATE

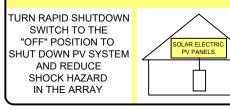
LABEL-4: <u>LABEL LOCATION:</u> MAIN SERVICE PANEL CODE REF: NEC 705.12(C) & NEC 690.59



LABEL- 5:

LABEL LOCATION: MAIN SERVICE PANEL (ONLY IF SOLAR IS BACK-FED) SUBPANEL (ONLY IF SOLAR IS BACK-FED) CODE REF: NEC 705.12(B)(3)(2)

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN



LABEL- 6: <u>LABEL LOCATION:</u> AC DISCONNECT CODE REF: [NEC 690.56(C)(1)(A)]

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

LABEL- 7: <u>LABEL LOCATION:</u> AC DISCONNECT MAIN SERVICE PANEL (ONLY IF SOLAR IS BACK-FED) CODE REF: NEC 690.56(C)(2)

DC DISCONNECT

LABEL- 8: LABEL LOCATION: INVERTER CODE REF: NEC 690.13(B)



LABEL- 9: <u>LABEL LOCATION:</u> AC DISCONNECT CODE REF: NEC 690.54

MAXIMUM VOLTAGE	480 V
MAXIMUM CIRCUIT CURRENT	30.50 A
MAXIMUM RATED OUTPUT CURRENT OF THE CHARGE CONTROLLER OR DC-TO-DC CONVERTER (IF INSTALLED)	

LABEL- 10: <u>LABEL LOCATION:</u> ON THE RIGHT SIDE OF THE INVERTER (PRE-EXISTING ON THE INVERTER) CODE REF: NEC 690.53

TOP TIER SOLAR SOLUTIONS SOLAR SOLUTIONS TOP TIER SOLAR SOLUTIONS DESCRIPTION DATE REV INITIAL DESIGN DESCRIPTION DATE REV NOTATE & ADDRESS OLINI O BUDY OLINI O BUDY DENOUS DENOUS DENOUS DENOUS DENOUS DENOUS OLINI O SUBOR OLINI O SUBOR OLINI O SUBOR DENOUS DENOUS DENOUS DENOUS DENOUS DENOUS DENOUS </th <th></th> <th></th> <th></th>			
1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217, UNITED STATES REVISIONS DESCRIPTION DATE REV INITIAL DESIGN 08/20/2024 INITIAL DESIGN 08/20/2024 PROJECT NAME & ADDRESS OL NJ OR ADDRESS PROJECT NAME & ADDRESS OL NJ OR ADDRESS OL NJ OL NJ O			
CHARLOTTE, NC 28217, UNITED STATES REVISIONS DESCRIPTION DATE REV INITIAL DESIGN 08/20/2024 DESCRIPTION 08/20/2024 DESCRIPTION 08/20/2024 DESCRIPTION 08/20/2024 DRAUN BY ESR SHEET NAME LABELS SHEET NAME LABELS SHEET SIZE ANSI B 11" X 17" SHEET NUMBER	TOP TIER SOLAR	SOLUTIO	NS
UNITED STATES REVISIONS DESCRIPTION DATE REV INITIAL DESIGN 08/20/2024 DESCRIPTION 08/20/2024 DESCRIPTION 08/20/2024 DESCRIPTION 08/20/2024 DROUGHANDESS SHOULD DESCRIPTION DROJECT NAME & ADDRESS OUNIARY OF CONTRACT OF CONTRU	1530 CENTER PAR	K DR #2911	
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DESCRIPTION DATE REV INITIAL DESIGN 08/20/2024			
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BANDRA C PINTO SANDRA C PINTO SHEET NIZE ANSI B 11" X 17" SHEET NUMBER	INITIAL DESIGN	08/20/2024	
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SHEET NAME LABELS SHEET SIZE ANSI B 11" X 17" SHEET NUMBER	SANDRA C PINTO RESIDENCE	462 BLUE ASPEN DR, FUQUAY-VARINA, NC 27526	
LABELS SHEET SIZE ANSI B 11" X 17" SHEET NUMBER	ESR		
SHEET SIZE ANSI B 11" X 17" SHEET NUMBER	SHEET NAM	ME	
ANSI B 11" X 17" SHEET NUMBER	LABELS	8	
11" X 17" SHEET NUMBER	SHEET SIZ	ZE	
PV-8			=

EAGLE CONTINENTAL

380-400 WATT • MONO PERC HALF-CELL MODULE

Positive power tolerance of 0~+3%

U

- NYSE-listed since 2010, Bloomberg Tier 1 manufacturer
- Top performance in the strictest 3rd party labs
- Automated manufacturing utilizing artificial intelligence
- · Vertically integrated, tight controls on quality
- Premium solar module factory in Jacksonville, Florida



KEY FEATURES

Superior Aesthetics

Black backsheet and black frame create ideal look for residential applications.



Diamond Half-Cell Technology

World-record breaking efficient mono PERC half-cells deliver high power in a small footprint.



ASSEMBLED IN THE

Thick and Tough

Fire Type 1 rated module engineered with a thick frame, 3.2mm front side glass, and thick backsheet for added durability.

IS09001:2008 Quality Standards

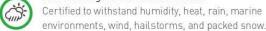
• IEC61215, IEC61730 certified

• IS014001:2004 Environmental Standards



Twin array design allows continued performance even with shading by trees or debris.

Protected Against All Environments



Warranty 徽

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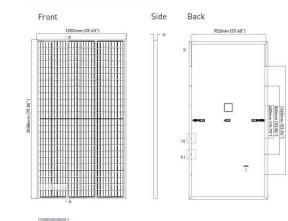
25-year product and 25-year linear power warranty.

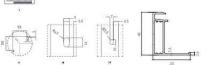
- ISO 45001 2018 Occupational
- Health & Safety Standards UL1703/61730 certified

BUILDING YOUR TRUST IN SOLAR, WWW.JINKOSOLAR, US

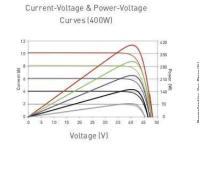


ENGINEERING DRAWINGS





ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE



MECHANICAL CHARACTERISTICS

Cells	Mono PERC
No. of Half Cells	144 (6 x 24)
Dimensions	2008 x 1002 >
Weight	22.5kg (49.6
Front Glass	3.2mm, Anti High Transm
Frame	Anodized Alu
Junction Box	IP68 Rated
Output Cables	12 AWG, 140
Connector	Staubli MC4
Fire Type	Type 1
Pressure Rating	5400Pa (Sno
Hailstone Test	50mm Hailst

TEMPERATURE CHARACTERISTICS

-0.35%/°C Temperature Coefficients of Pmax Temperature Coefficients of Voc -0.29%/°C 0.048%/°C Temperature Coefficients of Isc Nominal Operating Cell Temperature (NOCT) 45±2°C

MAXIMUM RATINGS

Operating Temperature (°C) Maximum System Voltage Maximum Series Fuse Rating

PACKAGING CONFIGURATION

(Two pallets = One stack) 27pcs/pallet, 54pcs/stack, 594pcs/40'HQ Container

WARRANTY

25-year product and 25-year linear power warranty $1^{\rm st}$ year degradation not to exceed 2.5%, each subsequent year not to exceed 0.6%, minimum power at year 25 is 83.1% or greater.

ELECTRICAL CHARACTERISTICS

Module Type	JK M380 M	-72HBL-V	JKM385M-72HBL-V		JKM390M-72HBL-V		JKM395M-72HBL-V		JKM400M-72HBL-V	
	STC	NOCT	STC	NOCT	SCT	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	380Wp	280Wp	385Wp	283Wp	390Wp	287Wp	395 Wp	291Wp	400Wp	294Wp
Maximum Power Voltage (Vmp)	39.10V	36.5V	39.37V	36.8V	39.64V	37.0V	39.90V	37.4V	40.16V	37.6V
Maximum Power Current (Imp)	9.72A	7.67A	9.78A	7.71A	9.84A	7.75A	9.90A	7.77A	9.96A	7.82A
Open-circuit Voltage (Voc)	48.2V	45.4V	48.4V	45.6V	48.6V	45.8V	48.8V	46.0V	49.1V	46.2V
Short-circuit Current (lsc)	10.30A	8.32A	10.38A	8.38A	10.46A	8.45A	10.54A	8.51A	10.61A	8.57A
Module Efficiency STC (%)	18.8	9%	19.1	13%	19.3	38%	19.	63%	19.	88%

*STC: Irradiance 1000W/m² NOCT: Irradiance 800W/m² *Power measurement tolerance: ±3%

Cell Temperature 25°C Ambient Temperature 20°C

Length: ± 2mm

Width: ± 2mm Height: ± 1mm

Temperature Dependence

of Isc, Voc, Pmax

Cell Temperature (°C)

Row Pitch: ± 2mm

Wind Speed 1m/s

The company reserves the final right for explanation on any of the information presented hereby. JKM380-400M-72HBL-V-F1-US

BUILDING YOUR TRUST IN SOLAR, WWW, JINKOSOLAR, US

△ AM = 1.5△ AM = 1.5

Diamond Cell (158.75 x 158.75mm)

x 40mm (79.06 x 39.45 x 1.57in)

i-Reflection Coating nission, Low Iron, Tempered Glass

uminum Alloy

0mm (55.12in)

Series

ow) & 2400 Pa (Wind)

tones at 35m/s

-40°C~+85°C 1500VDC (UL and IEC) 20A



TOP TIER SOLAR SOLUTION

TOP TIER SOLAR SOLUTIONS

1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217, UNITED STATES

REVISIONS										
DESCRIPTION	DATE	REV								
INITIAL DESIGN	08/20/2024									

PROJECT NAME & ADDRESS

SANDRA C PINTO RESIDENCE

462 BLUE ASPEN DR, FUQUAY-VARINA, NC 27526

DRAWN BY

ESR

SHEET NAME EQUIPMENT **SPECIFICATION**

SHEET SIZE

ANSI B 11" X 17"

SHEET NUMBER

CERTIFICATE OF COMPLIANCE

Certificate Number Report Reference Date

E362479 E362479-20200410 2023-July-16

JINKO SOLAR CO LTD Issued to: No.1, Yingbin Road, Economic Development Zone Shangrao Jiangxi Sheng 334100 CN

This is to certify that representative samples of

PHOTOVOLTAIC MODULES AND PANELS WITH SYSTEM VOLTAGE RATINGS OVER 600 VOLTS See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

UL 61730-1 - Standard for Photovoltaic (PV) Module Safety Standard(s) for Safety: Qualification - Part 1: Requirements for Construction, Edition 2, Issue Date 10/28/2022 and UL 61730-2, Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing, Edition 2, Revision Date 04/25/2023 and CSA C22.2 No. 61730-1:19 December 2019, Photovoltaic (PV) module safety gualification - Part 1: Requirements for construction and CSA C22.2 No. 61730-2:19 December 2019, Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing.

Additional Information:

See the UL Online Certifications Directory at https://ig.ulprospector.com for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product

Wrah Jenning Trene Deborah Jennings-Conner, VP Regulatory Services

UL LLC

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CERTIFICATE OF COMPLI

Certificate Number Report Reference Date

E362479 E362479-20200410 2023-July-16

JKM525N-72HL4-V, JKM530N-72HL4-V, JKM535N-72HL4-V, JKM540N-72HL4-V, JKM545N-72HL4-V, JKM550N-72HL4-V, JKM555N-72HL4-V, JKM560N-72HL4-V, JKM565N-72HL4-V, JKM570N-72HL4-V, JKM575N-72HL4-V.

JKM480N-66HL4-V, JKM485N-66HL4-V, JKM490N-66HL4-V, JKM495N-66HL4-V, JKM500N-66HL4-V, JKM505N-66HL4-V, JKM510N-66HL4-V, JKM515N-66HL4-V, JKM520N-66HL4-V, JKM525N-66HL4-V

JKM435N-60HL4-V, JKM440N-60HL4-V, JKM445N-60HL4-V, JKM450N-60HL4-V, JKM455N-60HL4-V. JKM460N-60HL4-V. JKM465N-60HL4-V. JKM470N-60HL4-V. JKM475N-60HL4-V. JKM480N-60HL4-V.

JKM395N-54HL4-V, JKM400N-54HL4-V, JKM405N-54HL4-V, JKM410N-54HL4-V, JKM415N-54HL4-V, JKM420N-54HL4-V, JKM425N-54HL4-V, JKM430N-54HL4-V.

JKM565M-78HL4-V, JKM570M-78HL4-V, JKM575M-78HL4-V, JKM580M-78HL4-V, JKM585M-78HL4-V, JKM590M-78HL4-V, JKM595M-78HL4-V, JKM600M-78HL4-V, JKM605M-78HL4-V

JKM370M-72HBL-V, JKM375M-72HBL-V, JKM380M-72HBL-V, JKM385M-72HBL-V, JKM390M-72HBL-V, JKM395M-72HBL-V, JKM400M-72HBL-V, JKM405M-72HBL-V, JKM410M-72HBL-V, JKM415M-72HBL-V, JKM420M-72HBL-V.

JKM330M-60HBL-V. JKM335M-60HBL-V. JKM340M-60HBL-V. JKM345M-60HBL-V. JKM350M-60HBL-V.

JKM515N-72HL4-B-V, JKM520N-72HL4-B-V, JKM525N-72HL4-B-V, JKM530N-72HL4-B-V, JKM535N-72HL4-B-V, JKM540N-72HL4-B-V, JKM545N-72HL4-B-V, JKM550N-72HL4-B-V, JKM555N-72HL4-B-V, JKM560N-72HL4-B-V, JKM565N-72HL4-B-V, JKM570N-72HL4-B-V.

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JKM585N-78HL4R-V, JKM590N-78HL4R-V, JKM595N-78HL4R-V, JKM600N-78HL4R-V, JKM605N-78HL4R-V. JKM610N-78HL4R-V. JKM615N-78HL4R-V. JKM620N-78HL4R-V. JKM625N-78HL4R-V. JKM630N-78HL4R-V, JKM635N-78HL4R-V, JKM640N-78HL4R-V, JKM645N-78HL4R-V, JKM650N-78HL4R-V

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TOP TIER SOLAR SOLUTIONS

1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217, UNITED STATES

REVISION	IS	
DESCRIPTION	DATE	REV
INITIAL DESIGN	08/20/2024	

PROJECT NAME & ADDRESS

Ο **PINT** SANDRA C PINT RESIDENCE

526 27 DR 462 BLUE ASPEN D FUQUAY-VARINA, NC

DRAWN BY

ESR

SHEET NAME EQUIPMENT

SPECIFICATION

SHEET SIZE

ANSI B 11" X 17"

SHEET NUMBER

Power Optimizer

For Residential Installations

S440 / S500 / S500B / S650B



POWER OPTIMIZER

Enabling PV power optimization at the module level

- I Specifically designed to work with SolarEdge residential inverters
- Ø Detects abnormal PV connector behavior, preventing potential safety issues*
- Module-level voltage shutdown for installer and firefighter safety
- Superior efficiency (99.5%)

* Functionality subject to inverter model and firmware version

- Mitigates all types of module mismatch loss, from 1 manufacturing tolerance to partial shading
- Faster installations with simplified cable management and easy assembly using a single bolt
- Flexible system design for maximum space utilization
- Compatible with bifacial PV modules

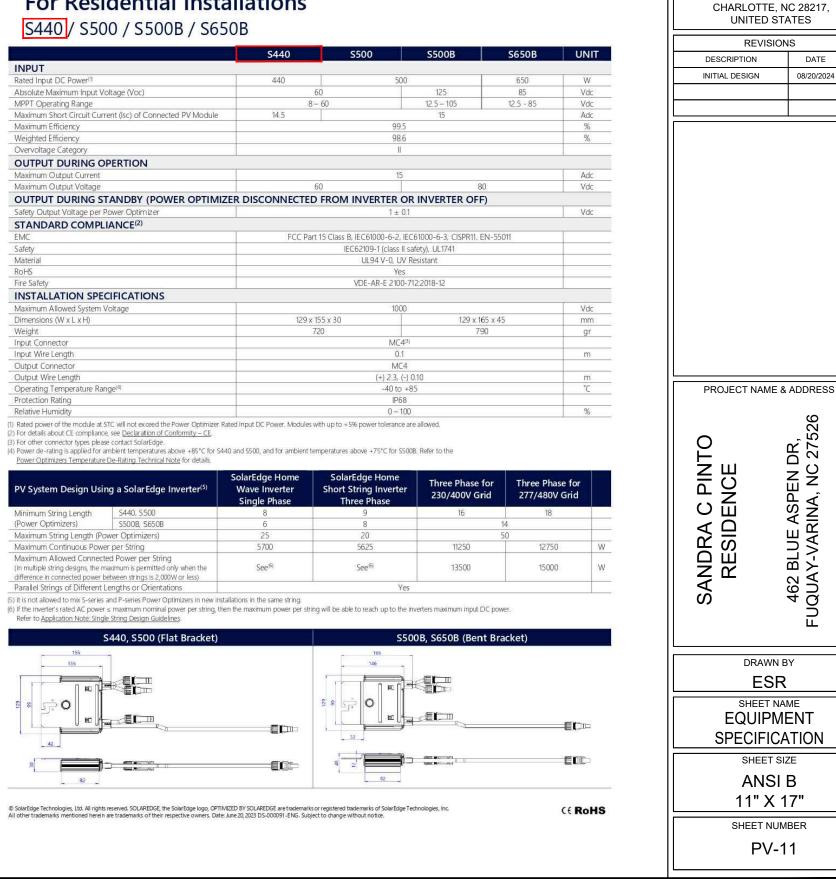
/ Power Optimizer For Residential Installations S440 / S500 / S500B / S650B

	S440	S500	S500B
INPUT			
Rated Input DC Power ⁽¹⁾	440	5	00
Absolute Maximum Input Voltage (Voc)	6	0	125
MPPT Operating Range	8-	60	12.5 - 105
Maximum Short Circuit Current (Isc) of Connected PV Module	14.5		15
Maximum Efficiency		. 99	.5
Weighted Efficiency		98	1.6
Overvoltage Category		1	ſ
OUTPUT DURING OPERTION			
Maximum Output Current		1	5
Maximum Output Voltage	6	0	
OUTPUT DURING STANDBY (POWER OPTIMIZER	DISCONNECTED	FROM INVERTER	OR INVERTER
Safety Output Voltage per Power Optimizer	1 ± 0.1		
STANDARD COMPLIANCE ⁽²⁾			
EMC	FCC Part 15 Class B. IEC61000-6-2. IEC61000-6-3. (IEC61000-6-3, CIS
Safety	18. E.1994 E.1860	IEC62109-1 (class	II safety), UL1741
Material		UL94 V-0, L	180
RoHS		Ye	25
Fire Safety		VDE-AR-E 210	0-712:2018-12
INSTALLATION SPECIFICATIONS			
Maximum Allowed System Voltage		10	00
Dimensions (W x L x H)	129 x 15	55 x 30	
Weight	72	20	
Input Connector		MC	4(3)
Input Wire Length	0.1		
Output Connector	MC4		
Output Wire Length	(+) 2.3, (-) 0.10		(-) 0.10
Operating Temperature Range ⁽⁴⁾		-40 to	+85
Protection Rating		IP(58
Relative Humidity		0-	100

(2) For details about CE compliance, see Declaration of Conformity - CE.

(4) P	ower de-rating is applied for ambient temperatures above +85	85°C for \$440 and \$500,	and for ambient temperatures above -	+75°C for S500B. Refer to the
P	wer Optimizers Temperature De-Rating Technical Note for d	details.		

PV System Design Usi	ng a SolarEdge Inverter ⁽⁵⁾	SolarEdge Home Wave Inverter Single Phase	SolarEdge Home Short String Inverter Three Phase	Three Pha 230/400V
Minimum String Length	S440, S500	8	9	16
(Power Optimizers)	S500B, S650B	6	8	
Maximum String Length (Po	ower Optimizers)	25	20	
Maximum Continuous Pow	er per String	5700	5625	11250
	ted Power per String naximum is permitted only when the petween strings is 2,000W or less)	See ⁱ⁵⁾	See [®]	13500
Parallel Strings of Different	Lengths or Orientations		Yes	
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SolarEdge Home Hub Inverter

Single Phase, for North America For Inverters Assembled in the USA

SE3800H-US / SE5700H-US / SE7600H-US / SE10000H-US / SE11400H-US



Single phase inverter for storage and backup applications

- *I* The ultimate home energy manager in charge of PV production, battery storage, backup operation during a power outage*, EV Charging, and smart energy devices
- Record-breaking 99% weighted efficiency with 1 up to 300% DC oversizing
- Supports LRA can provide the required energy for HVAC systems starting during backup operation
- *I* Integrates seamlessly with the complete SolarEdge Home Smart Energy Ecosystem, through SolarEdge Home Network
- Module-level monitoring and visibility of 1 battery status, PV production, and selfconsumption data
 - *Requires additional hardware and firmware version upgrade.

Fast and easy installation – small and lightweight, with reduced commissioning time

HOME BACKU

- A scalable solution that supports future homeowner needs through easy connection to a growing ecosystem of products
- Advanced safety features with integrated arc fault protection and rapid shutdown for 690.11 and 690.12
- Advanced reliability with automotive-grade 1 components
- Embedded revenue grade production data, 1 ANSI C12.20 Class 0.5
- IP65-rated, for indoor and outdoor installations



/ SolarEdge Home Hub Inverter Single Phase, for North America

SE3800H-US / SE5700H-US / SE7600H-US / SE10000H-US / SE11400H-US

Model Number ⁽¹⁾⁽²⁾	SE3800H-US	SE5700H-US	SE7600H-US	SE10000H-US	SE11400H-US	Un
OUTPUT – AC ON GRID			-			
Rated AC Power	3800 @ 240V	5760 @ 240V	7600	10000	11,400 @ 240V	v
Rated AC Power	3300 @ 208V	5000 @ 208V	7600	10000	10,000 @ 208V	v
Maximum AC Power Output	3800 @ 240V 3300 @ 208V	5760 @ 240V 5000 @ 208V	7600	10000	11,400 @ 240V 10,000 @ 208V	V
AC Output Voltage (Nominal)			208 / 240			Vá
AC Output Voltage (Range)			183 – 264			Vá
AC Frequency Range (min - nom - max)		5	9.3 - 60 - 60.5 ⁽³⁾			F
Maximum Continuous Output Current	16	24	32	42	48	
GFDI Threshold			1			1
Total Harmonic Distortion (THD)			< 3			9
Power Factor		1, adju	ustable -0.85 to 0.85	5		
Utility Monitoring, Islanding Protection, Country Configurable Thresholds			Yes			
Charge Battery from AC (if allowed)			Yes			1
Typical Nighttime Power Consumption			< 2.5			1
OUTPUT – AC STAND-ALONE (BACKUP) ⁽⁴⁾⁽⁵⁾						-
Rated AC Power in Stand-alone Operation			11,400 ⁽⁶⁾			
Maximum Stand-alone Capacity			11,400			\ \
						-
AC L-L Output Voltage Range in Stand-alone Operation			211 - 264 105 - 132			V
AC L-N Output Voltage Range in Stand-alone Operation			55 - 60 - 65			- V
AC Frequency Range in Stand-alone (min - nom - max)						-
Maximum Continuous Output Current in Stand-alone Operation			48			
GFDI THD			1			
			< 5			9
OUTPUT – SOLAREDGE HOME EV CHARGER AC						-
Rated AC Power			9600			١
AC Output Voltage Range			211 – 264			V
On-Grid AC Frequency Range (min - nom - max)		0	9.3 - 60 - 60.5			E
Maximum Continuous Output Current @240V (grid, PV and battery)			40			A
INPUT – DC (PV AND BATTERY)						
Transformer-less, Ungrounded			Yes			1
Max Input Voltage			480			V
Nom DC Input Voltage			380			V
Reverse-Polarity Protection			Yes			-
Ground-Fault Isolation Detection		6	00kΩ Sensitivity			1
INPUT – DC (PV)						
Maximum DC Power @ 240V	11,400	11,520	15,200	20,000	22,800	
Maximum DC Power @ 208V	6600	10,000	-	-	20,000	
Maximum Input Current ⁽⁷⁾ @ 240V	20	30.5	40	53	60	A
Maximum Input Current ⁽⁷⁾ @ 208V	17.5	27	-		53	A
Maximum Input Short Circuit Current	0.5		45		55	A
Maximum Inverter Efficiency			99.2			
CEC Weighted Efficiency	98	5		99	99 @ 240V	
2-pole Disconnection			Yes		98.5 @ 208V	-
2-pole Disconnection			res			

(3) For other regional settings please refer to the SolarEdge Inverters, Power Control Options Application Note.

(4) Not designed for non-grid connected applications and requires AC for commissioning. Stand-alone (backup) functionality is only supported for the 240V grid. (5) For LRA (Locked Rotor Amperage) values please refer to the <u>LRA for NAM Application Note</u>.

(6) For models SE7600H-US and below, the rated AC stand-alone power is configurable between 7600W or 11,400W from CPU version 4.20.xx. (7) A higher current source may be used. The inverter will limit its input current to the values stated.

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1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217, UNITED STATES

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/ SolarEdge Home Hub Inverter Single Phase, for North America

SE3800H-US / SE5700H-US / SE7600H-US / SE10000H-US / SE11400H-US

Model Number ⁽¹⁾⁽²⁾	SE3800H-US	SE5700H-US	SE7600H-US	SE10000H-US	SE11400H-US	Units
OUTPUT – DC (BATTERY)						
Supported Battery Types		SolarEdge Ho	me Battery, LG RES	U Prime		
Number of Batteries per Inverter		Up to 3 SolarEdge Ho	me Battery, up to 2	LG RESU Prime		
Continuous Power ⁽⁸⁾	11,400 @ 240V 3800 @ 208V	11,400 @ 240V 5000 @ 208V		@240V	11,400 @ 240V 10,000 @ 208V	W
Peak Power ⁽⁸⁾	11,400 @ 240V 3800 @ 208V	11,400 @ 240V 5000 @ 208V	11400	@240V	11,400 @ 240V 10,000 @ 208V	W
Maximum Input Current			30			Adc
2-pole Disconnection		Up to the invert	er's rated stand-ald	one power		
SMART ENERGY CAPABILITIES						
Consumption Metering			Built-in ⁽⁹⁾			
Stand-alone & Battery Storage	With Backup I	nterface (purchased se	parately) for service	e up to 200A; up to	3 inverters	
EV Charging		Direct connection to	the SolarEdge Hor	ne EV Charger		
ADDITIONAL FEATURES	1					
Supported Communication Interfaces	RS485, Ethe	ernet, Cellular ⁽¹⁰⁾ , Wi-Fi	(optional), SolarEdg	ge Home Network (optional)	
Revenue Grade Metering, ANSI C12.20	Built-in ⁽⁹⁾					
Integrated AC, DC and Communication Connection Unit	nit Yes					
Inverter Commissioning	With the SetAp	o mobile application u	sing built-in Wi-Fi A	Access Point for loca	l connection	
DC Voltage Rapid Shutdown (PV and Battery)		Y	es, NEC 690.12			
STANDARD COMPLIANCE						
Safety	UL 1741, UL 1741SA, U	JL 1741SB, UL 1699B, C	SA 22.2#107.1, C22	,2#330, C22.3#9, Al	NSI/CAN/UL 9540	
Grid Connection Standards		IEEE1547 and IE	EE-1547.1, Rule 21,	Rule 14H		
Emissions		FC	C Part 15 Class B			
INSTALLATION SPECIFICATIONS						
AC Terminals		.1, L2, N terminal block L2 terminal blocks, PE				
DC Terminals	4 x termi	nal block pairs for PV i	nput; 1 x terminal b	lock pair for battery	' input	
AC Output and EV AC Output Conduit Size / AWG Range		1'' ma	ximum / 14-4 AWG			
DC Input (PV and Battery) Conduit Size / AWG Range		1'' ma	ximum / 14-6 AWG			
Dimensions with Connection Unit (H x W x D)		21.06 x 14.6	5 x 8.2 / 535 x 370 :	x 208		in / mn
Weight with Connection Unit			44.9 / 20.3			lb / kg
Noise			< 50			dBA
Cooling		Na	tural Convection			
Operating Temperature Range		-40 to	+140 / -40 to +60 ⁽¹⁾	0		°F/°C
Protection Rating			NEMA 4X			

(8) Discharge power is limited up to the inverter's rated AC power for on-grid and stand-alone applications, as well as up to the installed batteries' rating. (9) For consumption metering current transformers should be ordered separately. SECT-SPL-225A-T-20 or SEACT1250-400NA-20. Revenue grade metering is only for production metering.

(10) Information concerning the data plan terms & conditions is available in <u>SolarEdge Communication Plan Terms and Conditions</u>.
 (11) Full power up to at least 50°C / 122°F; for power derating information refer to the <u>Temperature Derating Technical Note for North America</u>.





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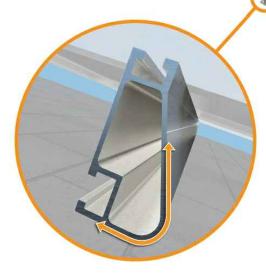


XR Rail[®] Family

Solar Is Not Always Sunny

Over their lifetime, solar panels experience countless extreme weather events. Not just the worst storms in years, but the worst storms in 40 years. High winds capable of ripping panels from a roof, and snowfalls weighing enough to buckle a panel frame.

XR Rails[®] are the structural backbone preventing these results. They resist uplift, protect against buckling and safely and efficiently transfer loads into the building structure. Their superior spanning capability requires fewer roof attachments, reducing the number of roof penetrations and the amount of installation time.



Force-Stabilizing Curve

Sloped roofs generate both vertical and lateral forces on mounting rails which can cause them to bend and twist. The curved shape of XR Rails® is specially designed to increase strength in both directions while resisting the twisting. This unique feature ensures greater security during extreme weather and a longer system lifetime.

Compatible with Flat & Pitched Roofs





Corrosion-Resistant Materials

All XR Rails® are made of 6000-series aluminum alloy, then protected with an anodized finish. Anodizing prevents surface and structural corrosion, while also providing a more attractive appearance.



XR Rail[®] Family

The XR Rail® Family offers the strength of a curved rail in three targeted sizes. Each size supports specific design loads, while minimizing material costs. Depending on your location, there is an XR Rail® to match.



· Internal splices available

Rail Selection

The table below was prepared in compliance with applicable engineering codes and standards.* Values are based on the following criteria: ASCE 7-16, Gable Roof Flush Mount, Roof Zones 1 & 2e, Exposure B, Roof Slope of 8 to 20 degrees and Mean Building Height of 30 ft. Visit IronRidge.com for detailed certification letters.

Internal splices available

Lo	ad			Rail	Span
Snow (PSF)	Wind (MPH)	4'	5' 4"	6'	8'
	90				
News	120				
None	140	XR10		XR100	
	160				
	90				
	120				
20	140				
	160				
20	90				
30	160				
40	90				
40	160				
80	160				
120	160				

	- 14	
6	181	1231



XR1000

XR1000 is a heavyweight among solar mounting rails. It's built to handle extreme climates and spans up to 12 feet for commercial applications.

 12' spanning capability · Extreme load capability Clear anodized finish Internal splices available

101	
10'	12'
XR1000	
fication letters for ac	tual design guidance.
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TOP TIER SOLAR SOLUTIONS TOP TIER SOLAR SOLUTIONS 1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217,

UNITED STATES

REVISION	IS	
DESCRIPTION	DATE	REV
INITIAL DESIGN	08/20/2024	
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PROJECT NAME & ADDRESS

SANDRA C PINTO RESIDENCE

462 BLUE ASPEN DR, FUQUAY-VARINA, NC 27526

DRAWN BY

ESR

SHEET NAME EQUIPMENT SPECIFICATION

SHEET SIZE ANSI B

11" X 17"

SHEET NUMBER





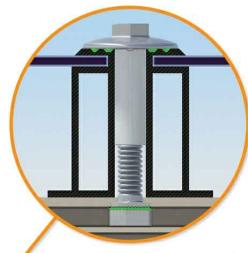
UFO[®] Family of Components

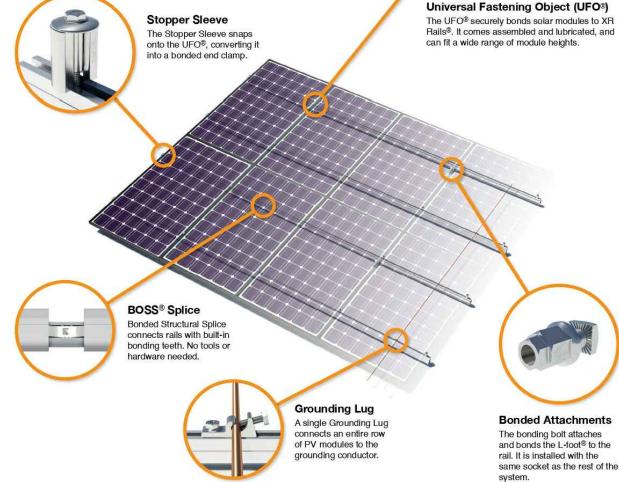
Simplified Grounding for Every Application

The UFO[®] family of components eliminates the need for separate grounding hardware by bonding solar modules directly to IronRidge[®] XR Rails[®]. All system types that feature the UFO[®] family—Flush Mount[®], Tilt Mount[®] and Ground Mount[®]—are fully listed to the UL 2703 standard.

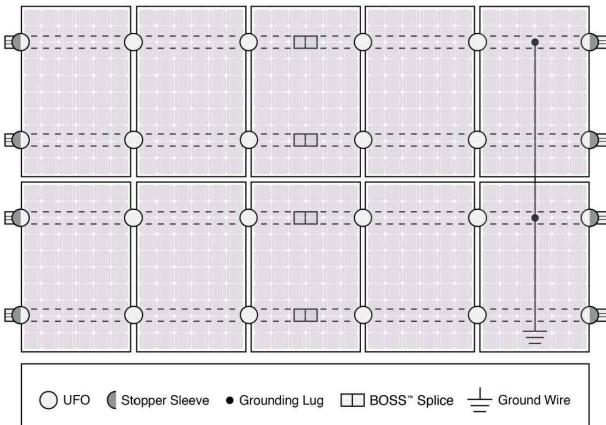
UFO[®] hardware forms secure electrical bonds with both the module and the rail, resulting in many parallel grounding paths throughout the system. This leads to safer and more reliable installations.

Only for installation and use with IronRidge products in accord with written instructions. See IronRidge.com/UFO





System Diagram



Approved Enphase microinverters can provide equipment grounding of IronRidge systems, eliminating the need for grounding lugs and field installed equipment ground conductors (EGC). A minimum of two microinverters mounted to the same rail and connected to the same Engage cable is required. Refer to installation manuals for additional details.

UL Certification

The IronRidge[®] Flush Mount[®], Tilt Mount[®], and Ground Mount Systems have been listed to UL 2703 by Intertek Group plc.

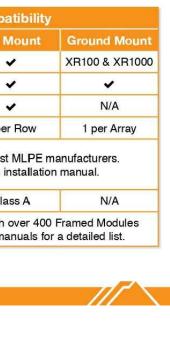
UL 2703 is the standard for evaluating solar mounting systems. It ensures these devices will maintain strong electrical and mechanical connections over an extended period of time in extreme outdoor environments.

Go to IronRidge.com/UFO

Cross-System Cor		
Feature	Flush Mount	Tilt N
XR Rails [®]	~	
UFO [®] /Stopper	~	
BOSS [®] Splice	~	
Grounding Lugs	1 per Row	1 per
Microinverters & Power Optimizers	Compatible with most Refer to system ir	
Fire Rating	Class A	Cla
Modules	Tested or Evaluated with Refer to installation ma	



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1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217, UNITED STATES

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DESCRIPTION	DATE	REV	
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SANDRA C PINTO RESIDENCE 462 BLUE ASPEN DR, FUQUAY-VARINA, NC 27526

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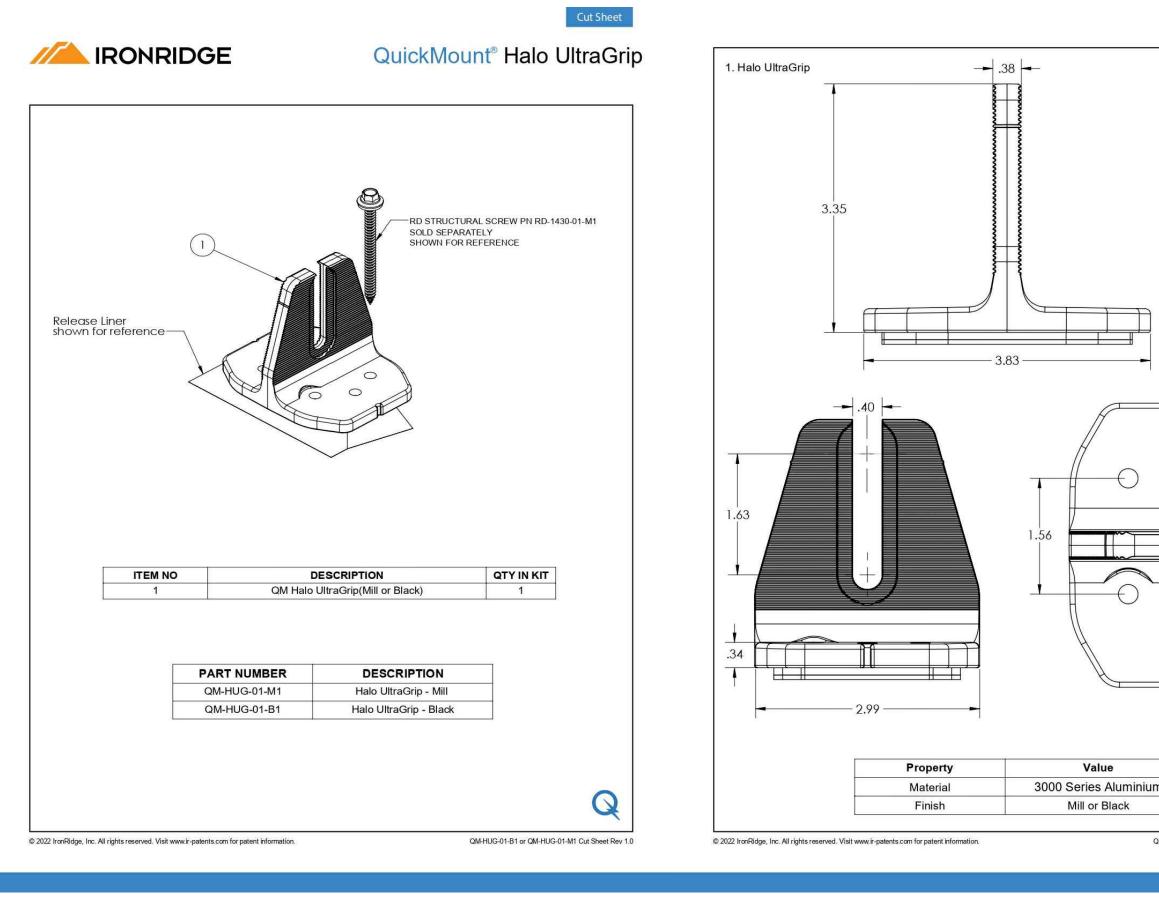
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SHEET NAME EQUIPMENT SPECIFICATION

SHEET SIZE

ANSI B 11" X 17"

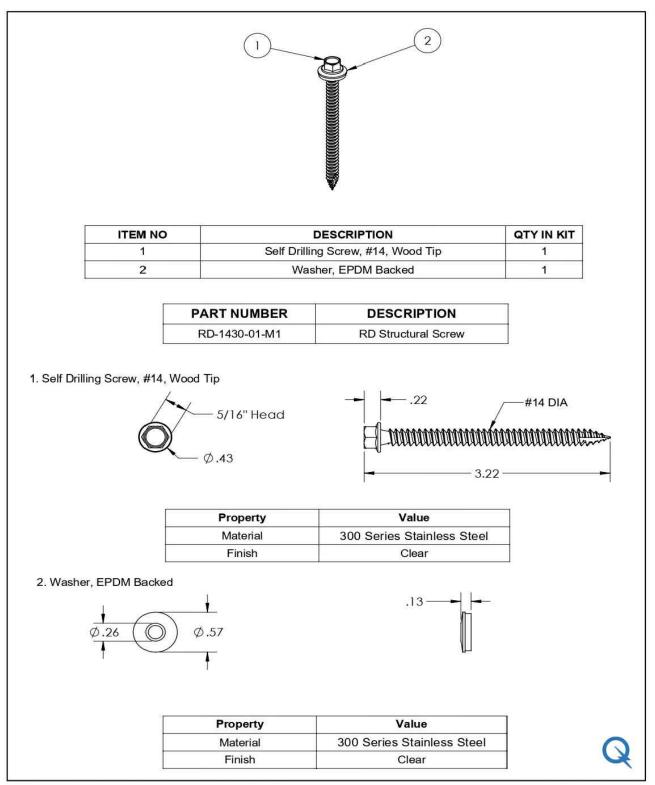
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	ANSI B 11" X 17"	
	SHEET NUM	
	PV-1	

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IRONRIDGE QuickMount® RD Structural Screw



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QM-RD-1430-01-M1 Cut Sheet Rev 1.0

TOP SOLAR SO		
TOP TIER SOLA	R SOLUTIONS	
1530 CENTER P CHARLOTTE		
UNITED		
REVIS DESCRIPTION	DATE REV	
INITIAL DESIGN	08/20/2024	
PROJECT NAMI SANDRA C DINTO RESIDENCE	462 BLUE ASPEN DR, FUQUAY-VARINA, NC 27526	
DRAWN BY ESR		
SHEET NAME EQUIPMENT SPECIFICATION		
SHEET ANS 11" X	SI B	
SHEET N PV	UMBER -17	

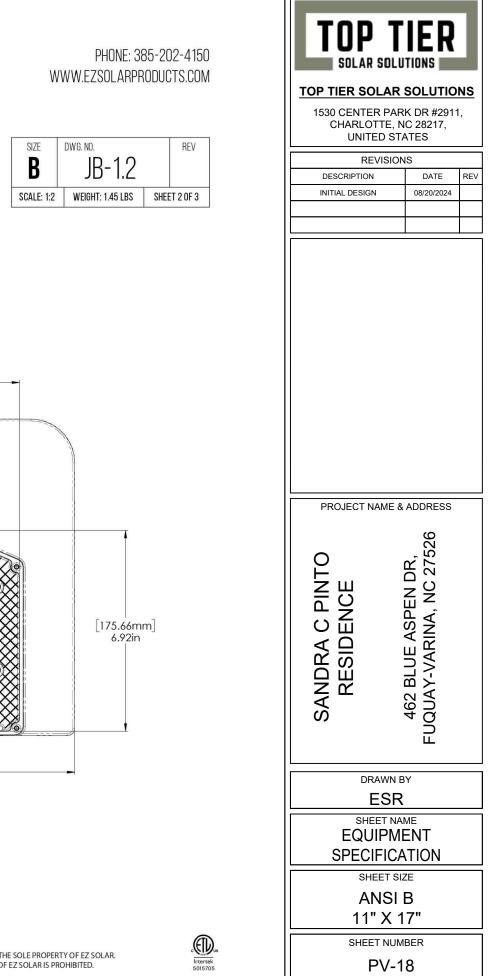


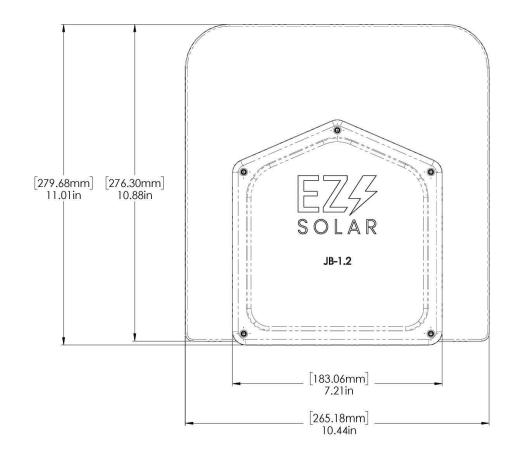
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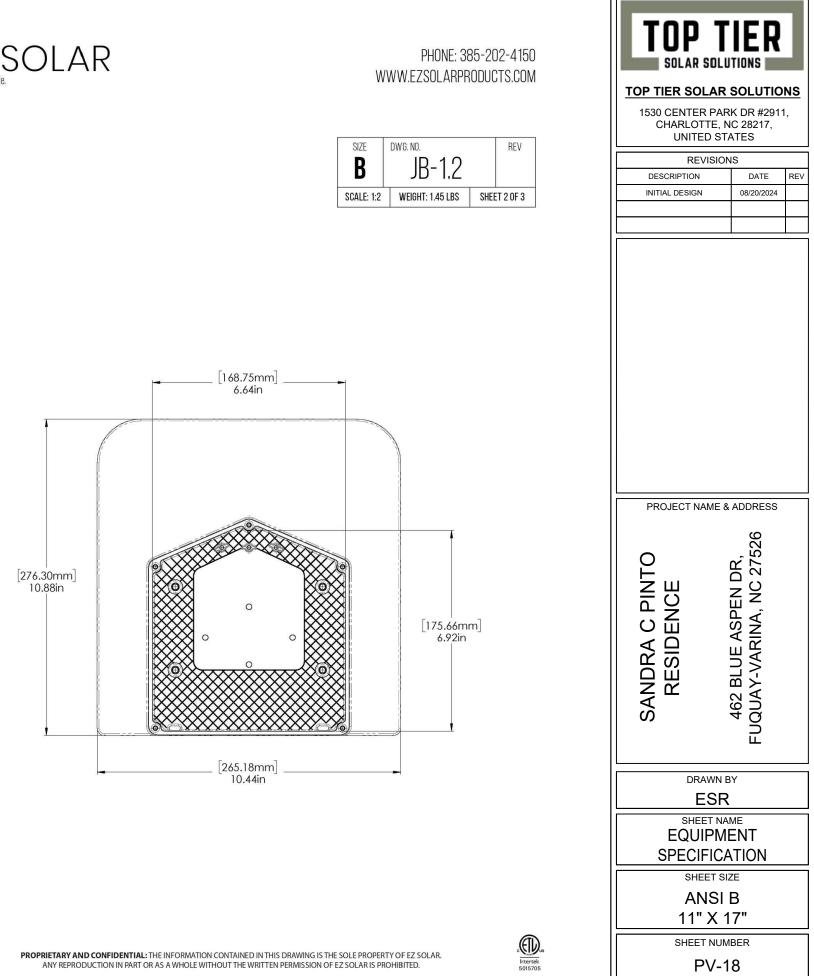


ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	JB-1.2 BODY	POLYCARBONATE WITH UV INHIBITORS	1
2	JB-1.2 LID	POLYCARBONATE WITH UV INHIBITORS	1
3	#10 X 1-1/4" PHILLIPS PAN HEAD SCREW		6
4	#8 X 3/4" PHILLIPS PAN HEAD SCREW		6

size B	dwg. no.	8-1.2		REV
SCALE: 1:2			T 1 OF 3	
TORQUE SPEC	CIFICATION:	15-20 LBS		.BS
CERTIFIC	ation:	UL 1741, NEMA 3R CSA C22.2 NO. 290		
WEIGHT:		1.45 LBS		







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_ [72.53mm] _ 2.86in