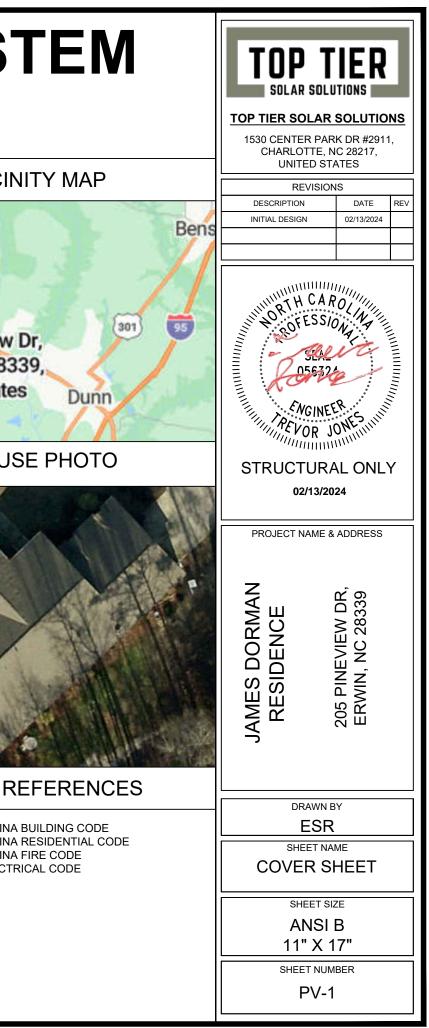
PHOTOVOLTAIC ROOF MOUNT SYSTEM

17 MODULES-ROOF MOUNTED - 6.715 kW DC, 6.000 kW AC

205 PINEVIEW DR, ERWIN, NC 28339

PROJECT DATA	GENERAL NOTES	VICIN
PROJECT 205 PINEVIEW DR, ADDRESS ERWIN, NC 28339 OWNER: JAMES DORMAN DESIGNER: ESR SCOPE: 6.715 KW DC ROOF MOUNT SOLAR PV SYSTEM WITH 17 JINKO SOLAR: JKM395M-72HBL-V 395W PV MODULES WITH 17 SOLAREDGE: S440 POWER OPTIMIZERS AND	 ALL COMPONENTS ARE UL LISTED AND CEC CERTIFIED, WHERE WARRANTED. THE SOLAR PV SYSTEM WILL BE INSTALLED IN ACCORDANCE WITH ARTICLE 690 OF THE NEC 2017. THE UTILITY INTERCONNECTION APPLICATION MUST BE APPROVED AND PV SYSTEM INSPECTED PRIOR TO PARALLEL OPERATION. ALL CONDUCTORS OF A CIRCUIT, INCLUDING THE EGC, MUST BE INSTALLED IN THE SAME RACEWAY, OR CABLE, OR OTHERWISE RUN WITH THE PV ARRAY CIRCUIT CONDUCTORS WHEN THEY LEAVE THE VICINITY OF THE PV ARRAY. WHERE METALLIC CONDUIT CONTAINING DC CONDUCTORS IS USED INSIDE THE BUILDING, IT SHALL BE IDENTIFIED AS "CAUTION: SOLAR CIRCUIT" EVERY 10FT. HEIGHT OF THE AC DISCONNECT SHALL NOT EXCEED 6'-7" PER NEC CODE 240.24. A GROUNDING ELECTRODE SYSTEM IN ACCORDANCE WITH CEC 690.47 AND 250.50 THROUGH 60 AND 250-166 SHALL BE 	eek hip 205 Pineview Erwin, NC 283 United State
01 SOLAREDGE: SE6000H-US (240V/6000W) INVERTER AUTHORITIES HAVING JURISDICTION: BUILDING: HARNETT COUNTY ZONING: HARNETT COUNTY UTILITY: DUKE ENERGY PROGRESS	 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 GROUNDING ELECTRODE TO PROVIDE FOR A COMPLETE SYSTEM. 8. PHOTOVOLTAIC MODULES ARE TO BE CONSIDERED NON-COMBUSTIBLE. 9. PHOTOVOLTAIC INSTALLATION WILL NOT OBSTRUCT ANY PLUMBING. MECHANICAL, OR BUILDING ROOF VENTS. 10. ALL WIRING MUST BE PROPERLY SUPPORTED BY DEVICES OR MECHANICAL MEANS DESIGNED AND LISTED FOR SUCH USE. 	HOU
SHEET INDEXPV-1COVER SHEETPV-2SITE PLANPV-3ROOF PLAN & MODULESPV-4ELECTRICAL PLANPV-5STRUCTURAL DETAILPV-6ELECTRICAL LINE DIAGRAMPV-7WIRING CALCULATIONSPV-8LABELSPV-9+EQUIPMENT SPECIFICATIONS	 WIRING MUST BE PERMANENTLY AND COMPLETELY HELD OFF THE ROOF SURFACE. 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 NEC 690.12 	CODE R
SIGNATURE	 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. 	2018 NORTH CAROLINA 2018 NORTH CAROLINA 2018 NORTH CAROLINA 2017 NATIONAL ELECT

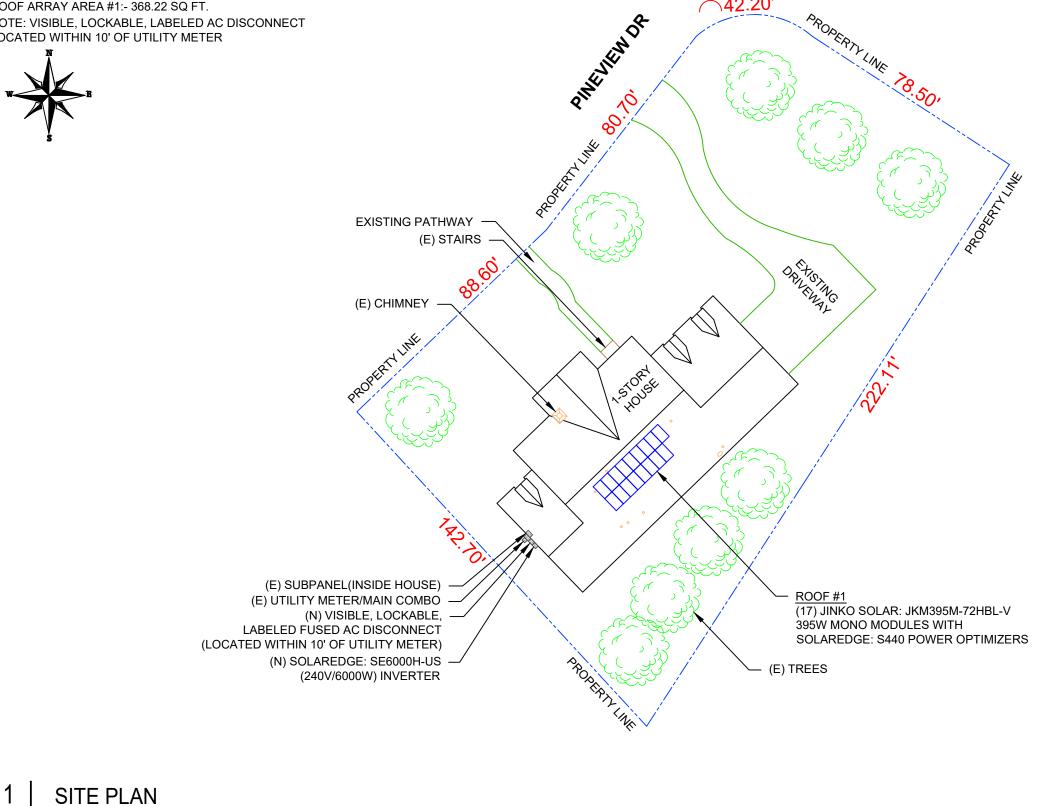


PROJECT DESCRIPTION:

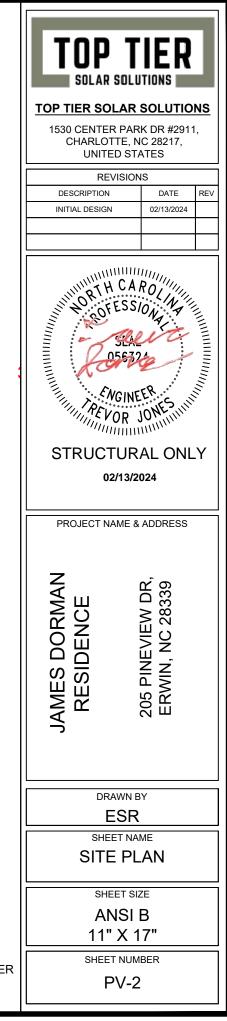
17 X JINKO SOLAR: JKM395M-72HBL-V 395W MONO MODULES ROOF MOUNTED SOLAR PHOTOVOLTAIC MODULES DC SYSTEM SIZE: 6.715 kW DC AC SYSTEM SIZE: 6.000 kW AC

EQUIPMENT SUMMARY 17 JINKO SOLAR: JKM395M-72HBL-V 395W MONO MODULES 17 SOLAREDGE: S440 POWER OPTIMIZERS 01 SOLAREDGE: SE6000H-US (240V/6000W) INVERTER

ROOF ARRAY AREA #1:- 368.22 SQ FT. NOTE: VISIBLE, LOCKABLE, LABELED AC DISCONNECT LOCATED WITHIN 10' OF UTILITY METER

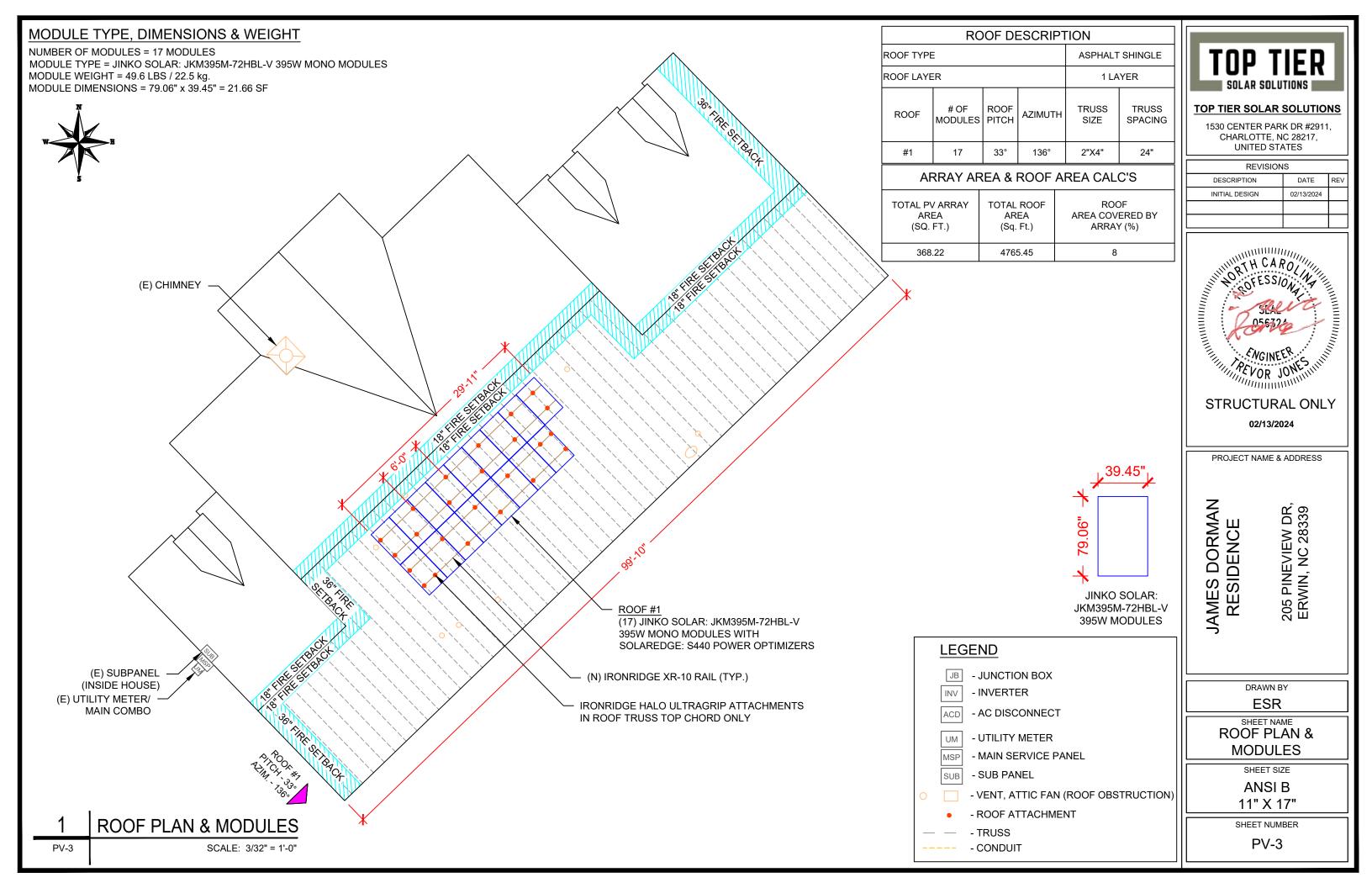


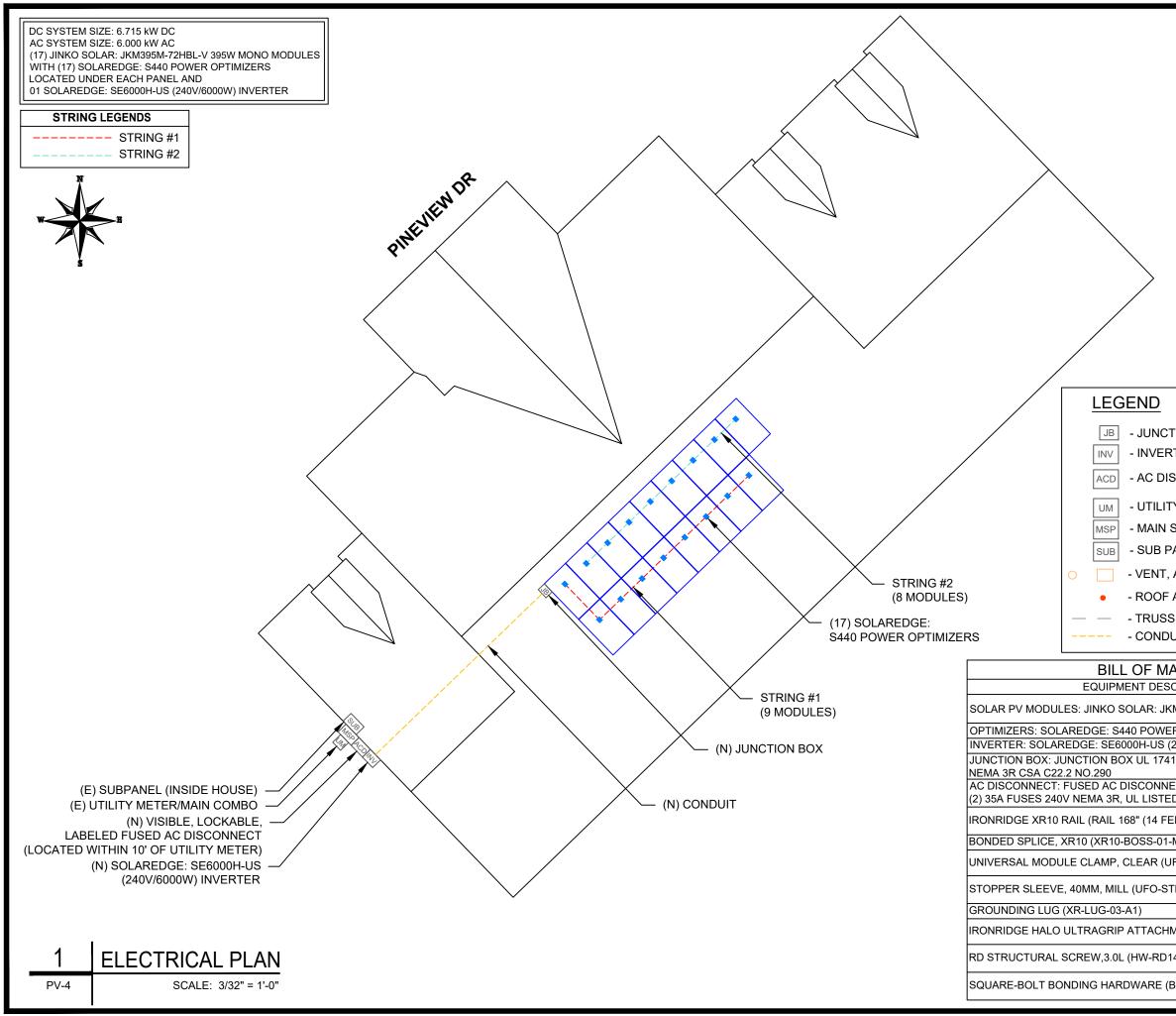
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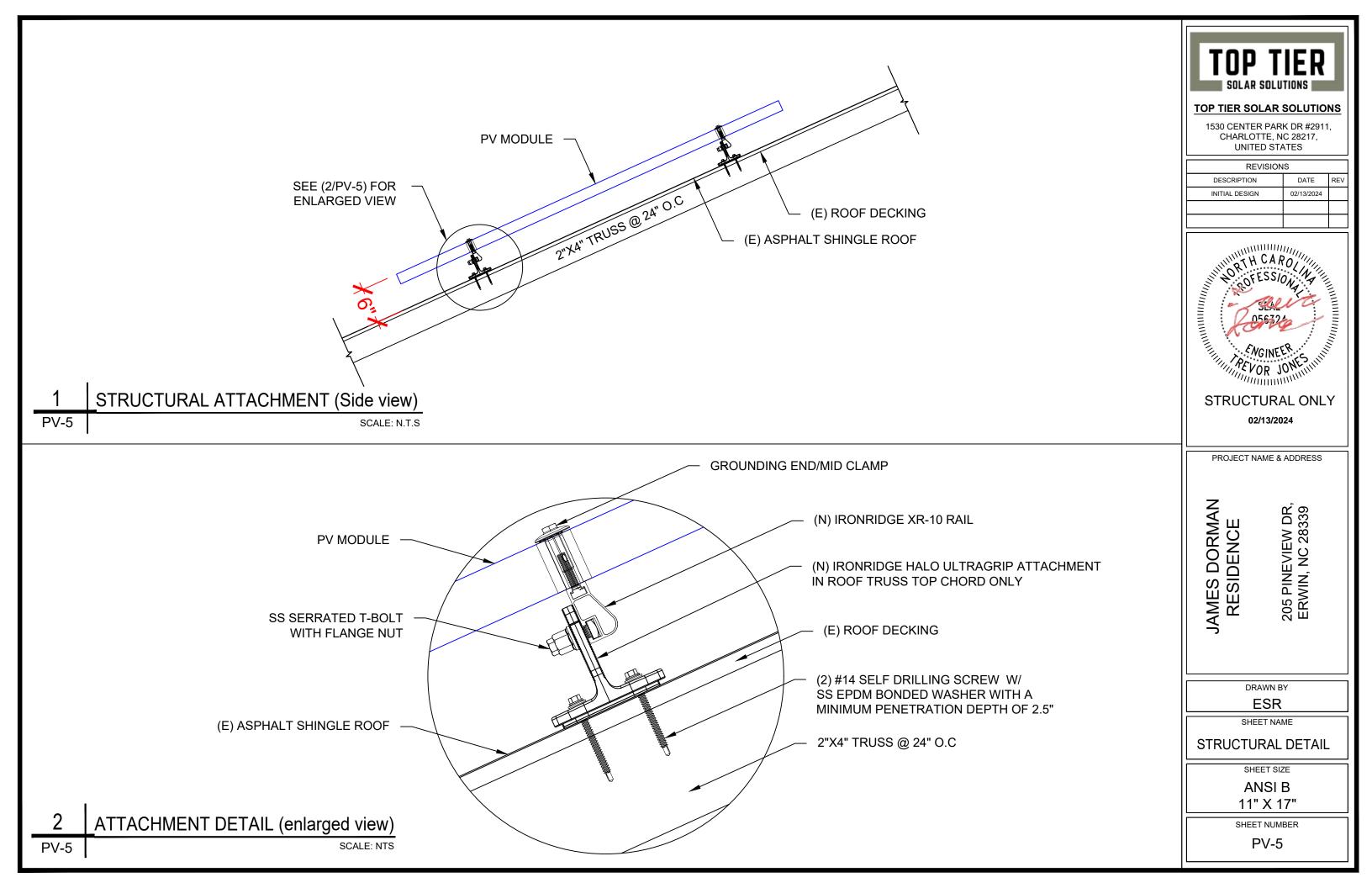
DESIGN SPECIFICATION

GROUND SNOW LOAD: REFER STRUCTURAL LETTER WIND EXPOSURE: REFER STRUCTURAL LETTER WIND SPEED: REFER STRUCTURAL LETTER





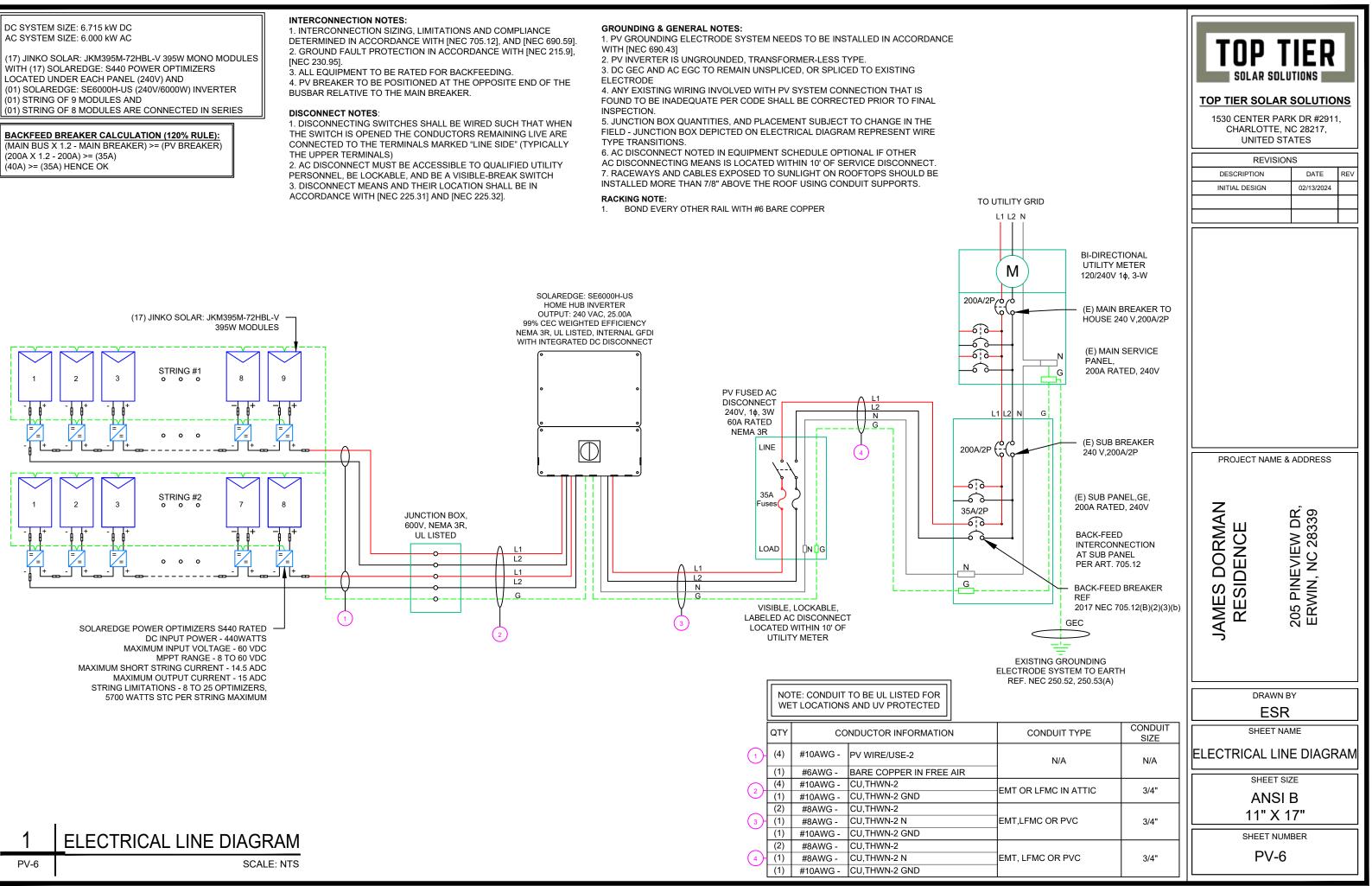
		TOP TIER 1530 CEI CHAF	LAR SOLU	SOLUTIOI K DR #2911 C 28217,	NS
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		INITIAL DI	ESIGN	02/13/2024	
TION BOX TER SCONNECT Y METER SERVICE PANEL ANEL ATTIC FAN (ROOF OBSTRUC ATTACHMENT	TION)		CT NAME &	rσ	
ATERIALS CRIPTION M395M-72HBL-V 395W MODULE R OPTIMIZERS 240V/6000W) INVERTER 1,	QTY 17 17 01 1	JAMES DORMAN RESIDENCE		205 PINEVIEW DI ERWIN, NC 2833	
ECT, 60A FUSED, D	1		DRAWN B	Ŷ	
ET) CLEAR) (XR-10-168A)	10		ESR		
M1)	6		SHEET NA	ME	
FO-CL-01-A1)	6 38		TRICAL	_ PLAN	
P-40MM-M1)	8		SHEET SIZ	ZE	
	2		ANSI		
MENTS (QM-HUG-01-M1)	24	.	11" X 1		
430-01-M1)	48		HEET NUM		
, 3HW-SQ-02-A1)	24		PV-4		
	·				



WITH (17) SOLAREDGE: S440 POWER OPTIMIZERS LOCATED UNDER EACH PANEL (240V) AND (01) SOLAREDGE: SE6000H-US (240V/6000W) INVERTER 01) STRING OF 9 MODULES AND 01) STRING OF 8 MODULES ARE CONNECTED IN SERIES

(200A X 1.2 - 200A) >= (35A) (40A) >= (35A) HENCE OK

THE SWITCH IS OPENED THE CONDUCTORS REMAINING LIVE ARE THE UPPER TERMINALS)



SOLAR	MODULE SPECIFICATIONS		INVERTE	R SPECIFICATIONS		AMBIENT TEMPERATURE SPECS		
MANUEACTURER / MODEL #	JINKO SOLAR: JKM395M-72HBL-V 395W MODULE	MANUFACTURER	MODEL #	SOLAREDGE: SE6000H- INVERTER	US (240V/6000W)	AMBIENT TEMP (HIGH TEMP 2%) RECORD LOW TEMPERATURE		
		NOMINAL AC POW		6.000 kW		MODULE TEMPERATURE COEFFICIENT OF Voc	-0.29%/°C	
VMP	39.90V			240 VAC 25.00A				
IMP	9.90A		•		•]		
VOC	48.80V	PERCENT OF	-					
ISC	10.54A	VALUES		CONDUCTORS IN EMT	4			
TEMP. COEFF. VOC	-0.29%/°C	.80		4-6	4			
MODULE DIMENSION	79.06"L x 39.45"W x 1.57"D (In Inch)	.70		7-9	4			
		.50		10-20				

DC FEEDER CALCULATIONS																		
CIRCUIT ORIGIN	CIRCUIT	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 CONDUCTO RS IN RACEWAY		FOR AMBIENT	DERATION FACTOR FOR CONDUCTORS PER RACEWAY NEC 310.15(B)(3)(a)	90°C AMPACITY DERATED (A)	AMPACITY CHECK #2		CON RES (OF
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	
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	
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	20	
																ſ	String 1 V	oltag

String 2 Vol

	AC FEEDER CALCULATIONS																	
CIRCUIT ORIGIN	CIRCUIT DESTINATION	VOLTAGE (V)	FULL LOAD AMPS "FLA" (A)	FLA*1.25 (A)	OCPD SIZE (A)	NEUTRAL SIZE	GROUND SIZE	CONDUCTOR SIZE	75℃ AMPACITY (A)	AMPACITY CHECK #1	AMBIENT TEMP. (°C)	TOTAL CC CONDUCTORS IN RACEWAY	90°C AMPACITY (A)	FOR AMBIENT	DERATION FACTOR FOR CONDUCTORS PER RACEWAY NEC 310.15(B)(3)(a)	AMPACITY	AMPACITY CHECK #2	FEEDER LENGTH (FEET)
INVERTER	AC DISCONNECT	240	25	31.25	35	CU #8 AWG	CU #10 AWG	CU #8 AWG	50	PASS	38	2	55	0.91	1	50.05	PASS	5
AC DISCONNECT	POI	240	25	31.25	35	CU #8 AWG	CU #10 AWG	CU #8 AWG	50	PASS	38	2	55	0.91	1	50.05	PASS	5

CUMULATI

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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						DESC	RIPTION		DATE	REV
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RES	DUCTOR ISTANCE IM/KFT)	VOLTAGE DROP AT FLA (%)		CONDUIT FILL (%)						
	1.24 1.24	0.049	N/A N/A	#N/A #N/A						
	1.24	0.196	3/4" EMT	19.79362						
	e Drop e Drop	0.245 0.245]							
			- 1							
R H)	CONDUC RESISTAI (OHM/K	NCE DROP AT		CONDUIT FILL (%)						
	0.778 0.778		3/4" EMT 3/4" EMT	24.5591 24.5591						
		ROP 0.162				JAMES DORMAN	KESIDENCE		ERWIN, NC 28339	
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					<u> </u>	WIRIN				١S
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							SHEET	' NUME /-7	BER	

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

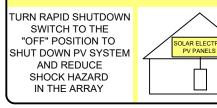
LABEL-4: <u>LABEL LOCATION:</u> MAIN SERVICE PANEL CODE REF: NEC 705.12(C) & NEC 690.59



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	16.50 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 TOP TIER SOLAR SOLUTIONS TS30 CENTER PARK DR #2911, CHARLOTTE, NC 28217, UNITED STATES REVISIONS DESCRIPTION DATE DESCRIPTION DATE NEVISIONS DESCRIPTION DATE DESCRIPTION DATE PROJECT NAME & ADDRESS ON O										
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DRAWN BY ESR DAMES DORMA SHEET NAME LABELS SHEET SIZE ANSI B 11" X 17" SHEET NUMBER	PROJECT NAME &	ADDRESS								
ESR SHEET NAME LABELS SHEET SIZE ANSI B 11" X 17" SHEET NUMBER		205 PINEVIEW DR, ERWIN, NC 28339								
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11" X 17" SHEET NUMBER										
PV-8										
	PV-8									

EAGLE CONTINENTAL

380-400 WATT • MONO PERC HALF-CELL MODULE

Positive power tolerance of 0~+3%

G

DU

- 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

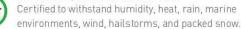


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Shade Tolerant

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

Protected Against All Environments



Warranty 像

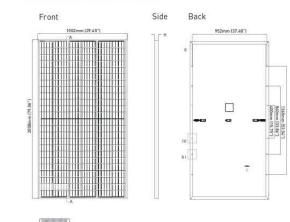
25-year product and 25-year linear power warranty.

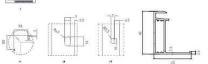
- ISO 45001 2018 Occupational
- Health & Safety Standards UL1703/61730 certified



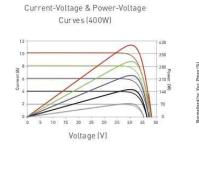


ENGINEERING DRAWINGS





ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE



MECHANICAL CHARACTERISTICS

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

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	I-72HBL-V	JKM390M	-72HBL-V	JKM395M	1-72HBL-V	JKM400N	4-72HBL-\
	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%

AM = 1.5 AM = 1.5 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

Diamond Cell (158.75 x 158.75mm)

x 40mm (79.06 x 39.45 x 1.57in)

Slbs

i-Reflection Coating nission, Low Iron, Tempered Glass

uminum Alloy

0mm (55.12in)

Series

ow) & 2400Pa (Wind)

stones 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	02/13/2024										

PROJECT NAME & ADDRESS

JAMES DORMAN RESIDENCE

205 PINEVIEW DR, ERWIN, NC 28339

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

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CERTIFICATE OF COMPLIANCE

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

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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

REVISIONS											
DESCRIPTION	DATE	REV									
INITIAL DESIGN	02/13/2024										

PROJECT NAME & ADDRESS

MES DORMAN RESIDENCE JAME

205 PINEVIEW DR, ERWIN, NC 28339

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
- I 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 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	S650B	UNI
INPUT					
Rated Input DC Power ⁽¹⁾	440	5	00	650	W
Absolute Maximum Input Voltage (Voc)	60		125	85	Vdc
MPPT Operating Range	8 - 6	50	12.5 - 105	12.5 - 85	Vdc
Maximum Short Circuit Current (Isc) of Connected PV Module	14.5		15		Adc
Maximum Efficiency		99	9,5		%
Weighted Efficiency		98	3.6		%
Overvoltage Category			1		
OUTPUT DURING OPERTION					
Maximum Output Current		1	5		Adc
Maximum Output Voltage	60		8	30	Vdc
OUTPUT DURING STANDBY (POWER OPTIMIZER	DISCONNECTED F	ROM INVERTER	OR INVERTER OF	F)	
Safety Output Voltage per Power Optimizer	1±0.1				Vdc
STANDARD COMPLIANCE ⁽²⁾					
EMC	FCC Part 15 Class B, IEC61000-6-2, IEC61000-6-3, CISPR11, EN-55011				1
Safety	IEC62109-1 (class II safety), UL1741				
Material	UL94 V-0, UV Resistant				
RoHS	Yes				
Fire Safety		VDE-AR-E 210	0-712:2018-12		
INSTALLATION SPECIFICATIONS					- 0
Maximum Allowed System Voltage		10	00		Vdc
Dimensions (W x L x H)	129 x 155	5 x 30	129 x 1	65 x 45	mm
Weight	720)	7	90	gr
Input Connector		MC	-4 ⁽³⁾		
Input Wire Length		0	.1		m
Output Connector		M	C4		
Output Wire Length		(+) 2.3,	(-) 0.10		m
Operating Temperature Range ⁽⁴⁾		-40 tr	o +85		°C
Protection Rating		IP	68		
Relative Humidity		0 -	100		%

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

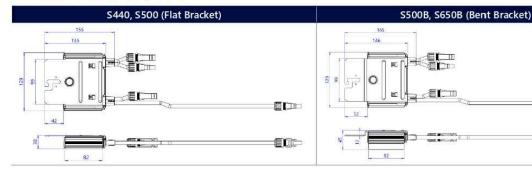
(3) For other connector types please contact SolarEdge.

(4) Power	de-rating is applied for ambient te	mperatures above +85°C for	5440 and 5500,	and for ambient temperatures a	bove +75°C for S500B. Refer to the
Power	Optimizers Temperature De-Rating	<u>I Technical Note</u> for details.			

PV System Design Usi	ng a SolarEdge Inverter ⁽⁵⁾	SolarEdge Home Wave Inverter Single Phase	SolarEdge Home Short String Inverter Three Phase	Three Phase for 230/400V G r id	Three Phase for 277/480V Grid	
Minimum String Length	S440, S 500	8	9	16	18	
(Power Optimizers)	S500B, S650B	6	8	1	4	
Maximum String Length (Pe	ower Optimizers)	25	20	5	0	
Maximum Continuous Pow	er per String	5700	5625	11250	12750	W
	ted Power per String naximum is permitted only when the between strings is 2,000W or less)	See ^{r®}	See ^{i®}	13500	15000	W
Parallel Strings of Different	Lengths or Orientations		Yes		1	

(5) It is not allowed to mix S-series and P-series Power Optimizers in new installations in the same string.

(6) If the inverter's rated AC power < maximum nominal power per string, then the maximum power per string will be able to reach up to the inverters maximum input DC power Refer to Application Note: Single String Design Guideline:



solaredge.com



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	85	Vdc
12.5	5 - 85	Vdc
		Adc
		%
		%
		Adc
80		Vdc
OFF)		-
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R11, EN-55011		
		Vdc
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TOP TIER SOLAR SOLUTIONS

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

REVISIONS				
DESCRIPTION	DATE	REV		
INITIAL DESIGN	02/13/2024			

PROJECT NAME & ADDRESS



205 PINEVIEW DR, ERWIN, NC 28339

DRAWN BY

ESR SHEET NAME EQUIPMENT

SPECIFICATION

SHEET SIZE

ANSI B

11" X 17"

SHEET NUMBER PV-11

SolarEdge Home Hub Inverter

For North America

SE3800H-US / SE5700H-US / SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US⁽¹⁾



Optimized battery storage with HD-Wave technology

- Record-breaking 99% weighted efficiency with 1 200% DC oversizing
- I Small, lightweight, and easy to install
- *I* Modular design, future ready with optional upgrades to:
 - DC-coupled storage for full or partial home backup
 - *I* Built-in consumption monitoring
 - Direct connection to the SolarEdge Home EV Charger

Multi-inverter, scalable storage solution, with enhanced battery power up to 10kW

HOME

BACKUF

- Integrated arc fault protection and rapid shutdown for NEC 2014 - 2023, per article 690.11 and 690.12
- Embedded revenue grade production data, 1 ANSI C12.20 Class 0.5

/ SolarEdge Home Hub Inverter For North America

SE3800H-US / SE5700H-US / SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US⁽¹⁾

Applicable to inverters with part number		SEXXX	XH-USMNBBXXX	/ SEXXXXH-USS	
	SE3800H-US	SE5700H-US	SE6000H-US	SE7600H-US	
OUTPUT – AC ON GRID					
Rated AC Power	3800 @ 240V 3300 @ 208V	5760 @ 240V 5000 @ 208V	6000 @ 240V 5000 @ 208V	7600	
Maximum AC Power Output	3800 @ 240V 3300 @ 208V	5760 @ 240V 5000 @ 208V	6000 @ 240V 5000 @ 208V	7600	
AC Output Voltage (Nominal)			208,	/ 240	
AC Output Voltage (Range)			183 -	- 264	
AC Frequency Range (min - nom - max)			59.3 - 60	0 - 60.5 ⁽²⁾	
Maximum Continuous Output Current @ 240V	16	24	25	32	
Maximum Continuous Output Current @ 208V	16	24	24	-	
GFDI Threshold				1	
Total Harmonic Distortion (THD)			<	3	
Power Factor			1, adjustable	-0.85 to 0.85	
Utility Monitoring, Islanding Protection, Country Configurable Thresholds			Y	es	
Charge Battery from AC (if allowed)			Y	es	
Typical Nighttime Power Consumption			<	2.5	
OUTPUT – AC BACKUP ⁽³⁾					
Rated AC Power in Backup Operation ⁽⁴⁾	7600	5760	6000	7600 11400*	
AC L-L Output Voltage Range in Backup	211 - 264				
AC L-N Output Voltage Range in Backup	105 – 132				
AC Frequency Range in Backup (min - nom - max)			55 – 6	i0 — 65	
Maximum Continuous Output Current in Backup	32	24	25	32	
Operation	52	24	25	47.5	
GFDI	1				
THD			<	5	
OUTPUT - SOLAREDGE HOME EV CHA	ARGER AC				
Rated AC Power			96	00	
AC Output Voltage Range			211 -	- 264	
On-Grid AC Frequency Range (min - nom - max)			59.3 - 6	i0 – 60.5	
Maximum Continuous Output Current @240V (grid, PV and battery)			4	0	
INPUT – DC (PV AND BATTERY)					
Transformer-less, Ungrounded			Y	es	
Max Input Voltage			4	80	
Nom DC Input Voltage			31	30	
Reverse-Polarity Protection			Y	es	
Ground-Fault Isolation Detection			600kΩ S	ensitivity	
INPUT – DC (PV)					
Maximum DC Power @ 240V	7600	11520	12000	15200	
Maximum DC Power @ 208V	6600	10000	10000		
Maximum DC Power @ 208V	20	16	16.5	20	
u 102				30	
Maximum Input Current ⁽⁵⁾ @ 208V	9	13.5	13.5	-	
Max. Input Short Circuit Current				5	
Maximum Inverter Efficiency			99	9.2	
CEC Weighted Efficiency			99		
2-pole Disconnection			Y	es	

* Supported with PN SExxxxH-USMNxxxxxx

(1) These specifications apply to inverters with part numbers SExxxxH-USMNxxxxx or SExxxxH-USSNxxxxxx and connection unit model number DCD-1PH-US-PxH-F-x. (2) For other regional settings please contact SolarEdge support.

 (3) Not designed for standalone applications and requires AC for commissioning. Backup functionality is only supported for 240V grid.
 (4) Rated AC power in Backup Operation is valid for installations with multiple inverters. For a single backup inverter operation, rated AC power in Backup is 90% of the value stated. (5) A higher current source may be used; the inverter will limit its input current to the values stated



SE10000H-US	SE11400H-US	Units
10000	11400 @ 240V 10000 @ 208V	W
10000	11400 @ 240V 10000 @ 208	W
		Vac
		Vac
10	47.5	Hz
- 42	47.5 48	A
-	40	A
		%
		W
10000 11400*	11400	w
		Vac
		Vac
		Hz
42 47.5	47.5	A
		A
		%
		W
		Vac
		Hz
		Aac
		Vdc
		Vdc
20000	22800	w
-	20000	W
30	30	Adc
-	27	Adc
		%
	99 @ 240V 98.5 @ 208V	%

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TOP TIER SOLAR SOLUTIONS

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

REVISIONS					
DESCRIPTION	DATE	REV			
INITIAL DESIGN	02/13/2024				
PROJECT NAME &	ADDRESS				
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SHEET NUMBER

/ SolarEdge Home Hub Inverter

For North America

SE3800H-US / SE5700H-US / SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US⁽¹⁾

Applicable to inverters with part number		SEXXX	(XH-USMNBBXXX	/ SEXXXXH-USSN	IBBXXX		
	SE3800H-US	SE5700H-US	SE6000H-US	SE7600H-US	SE10000H-US	SE11400H-US	Units
OUTPUT – DC (BATTERY)							
Supported Battery Types			SolarEdge Home Ba	ttery, LG RESU Prim	ne		
Number of Batteries per Inverter			SolarEdge Home Ba	1.			
Continuous Power ⁽⁶⁾	7600 @ 240V 3800 @ 208V	5760 @ 240V 5000 @ 208V	6000	11	400	11400 @ 240V 10000 @ 208V	W
Peak Power ⁽⁶⁾	7600 @ 240V 3800 @ 208V	5760 @ 240V 5000 @ 208V	6000	11	400	11400 @ 240V 10000 @ 208V	W
Max Input Current	20			26.5			Add
2-pole Disconnection			Up to inverter ra	ted backup power			
SMART ENERGY CAPABILITIES							
Consumption Metering			Buil	t-in ⁽⁷⁾			
Backup & Battery Storage	Wit	h Backup Interface	(purchased separate	ely) for service up to	200A; up to 3 inve	rters	
EV Charging		Direc	t connection to Sol	arEdge Home EV C	harger		
ADDITIONAL FEATURES							
Supported Communication Interfaces		RS485, Ethernet, Cellular ^(8, 9) , Wi-Fi ⁽⁹⁾ , SolarEdge Home Network					
Revenue Grade Metering, ANSI C12.20		Built-in ⁽⁷⁾					
Integrated AC, DC and Communication Connection Unit		Yes					
Inverter Commissioning	With	With the SetApp mobile application using built-in Wi-Fi Access Point for local connection					
DC Voltage Rapid Shutdown (PV and Battery)		Yes, accordi	ng to NEC 2014 – 2	023 per article 690.	11 and 690.12		
STANDARD COMPLIANCE							
Safety		JL1741, UL1741 SA,	UL1741 SB, UL1741 P	CS, UL1699B, UL199	98, UL9540, CSA 22.	2	
Grid Connection Standards		IEEE1	547-2018, Rule 21, F	lule 14H, CSA C22.3	3 No. 9		
Emissions			FCC part	15 class B			
INSTALLATION SPECIFICATIONS							
AC Output and EV AC Output Conduit Size / AWG Range		1" maximum / 14-4 AWG					
DC Input (PV and Battery) Conduit Size / AWG Range			1" maximum	n / 14-6 AWG			
Dimensions with Connection Unit (H x W x D)	17.7 x	14.6 x 6.8 / 450 x 37	0 x 174	17.7 x 14.6 x 6.8 / 450 x 370 x 174**	21.06 x 14.6 x 7.3 / 535 x 370 x 185** (535 x 370 x 208***	21.06 x 14.6 x 8.2 / 535 x 370 x 208***	in / mm
				21.06x 14.6x 8.2 / 535 x 370 x 208*** 30.8 / 14** 41.7 / 18.9**			
Weight with Connection Unit		30.8/14			20.3***	44.9 / 20.3***	lb/k
Noise			<	50			dB
Cooling			Natural C	onvection			
Operating Temperature Range			-40 to +140 /	-40 to +60 ⁽¹⁰⁾			°F/
Protection Rating			NEM	1A 4X			

** Supported with PN SEXXXXH-USSNBBXX4 or SEXXXXH-USMNBBXX4.

*** Supported with PN SEXXXXH-USSNBBXX5 or SEXXXXH-USMNBBXX5.

(6) Discharge power is limited up to the inverter rated AC power for on-grid and backup applications, as well as up to the installed batteries' rating.

(7) For consumption metering current transformers should be ordered separately: SECT-SPL-225A-T-20 or SEACT0750-400NA-20 units per box. Revenue grade metering is only for production metering. (8) Information concerning the Data Plan's terms & conditions is available in the following link: SolarEdge Communication Plan Terms and Conditions.

(9) The part of under SEXXXH-USXNBBXXX only supports the Wi-Fi communication interface, and the part number SEXXXH-USXNBBLXX only supports the cellular communication interface.

(10) Full power up to at least 50°C / 122°F; for power de-rating information refer to the Temperature Derating Technical Note for North America.

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TOP TIER SO	LAR SOLUTIONS			
11	R PARK DR #2911, TE, NC 28217,			
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Solar Is Not Always Sunny

enough to buckle a panel frame.

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.

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

XR Rails are the structural backbone preventing



XR Rail Family

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.



Rail Selection

The following table was prepared in compliance with applicable engineering codes and standards. Values are based on the following criteria: ASCE 7-10, Roof Zone 1, Exposure B, Roof Slope of 7 to 27 degrees and Mean Building Height of 30 ft. Visit IronRidge.com for detailed span tables and certifications.

Lo	ad	Rail Span			
Snow (PSF)	Wind (MPH)	4'	5' 4"	6'	8'
	100				
None	120				
None	140	XR10		XR100	
	160				
	100				
10-20	120				
10-20	140				
	160				
30	100				
30	160				
40	100				
	160				
50-70	160				
80-90	160				

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



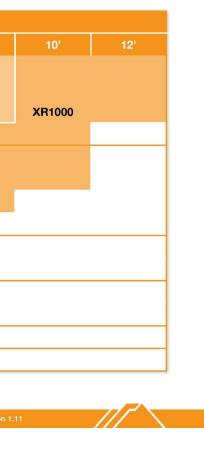


Corrosion-Resistant Materials

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



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TOP TIER SOLAR SOLUTIONS

TOP TIER SOLAR SOLUTIONS

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

REVISIONS			
DESCRIPTION	DATE	REV	
INITIAL DESIGN	02/13/2024		

PROJECT NAME & ADDRESS

JAMES DORMAN RESIDENCE

205 PINEVIEW DR ERWIN, NC 28339

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.



Stopper Sleeve The Stopper Sleeve snaps onto the UFO, converting it into a bonded end clamp. Universal Fastening Object (UFO) The UFO securely bonds solar modules to XR Rails. It comes assembled and lubricated, and can fit a wide range of module heights.

Bonded Attachments

The bonding bolt attaches

and bonds the L-foot to the

same socket as the rest of the

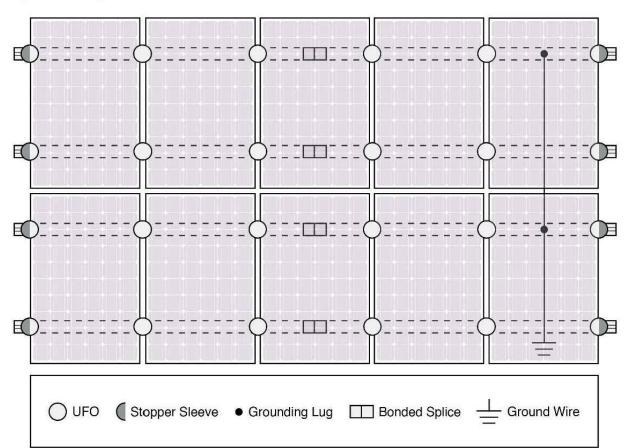
rail. It is installed with the

system

Bonded Splice Each Bonded Splice uses self-drilling screws to form a secure connection. No bonding strap needed.



Grounding Lug A single Grounding Lug connects an entire row of PV modules to the grounding conductor. System Diagram



Q 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

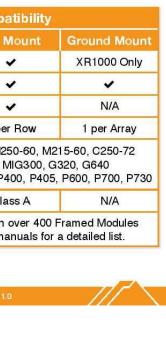
The IronRidge Flush Mount, Tilt Mount, and Ground Mount Systems have been listed to UL 2703 by Intertek Group plc.

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.

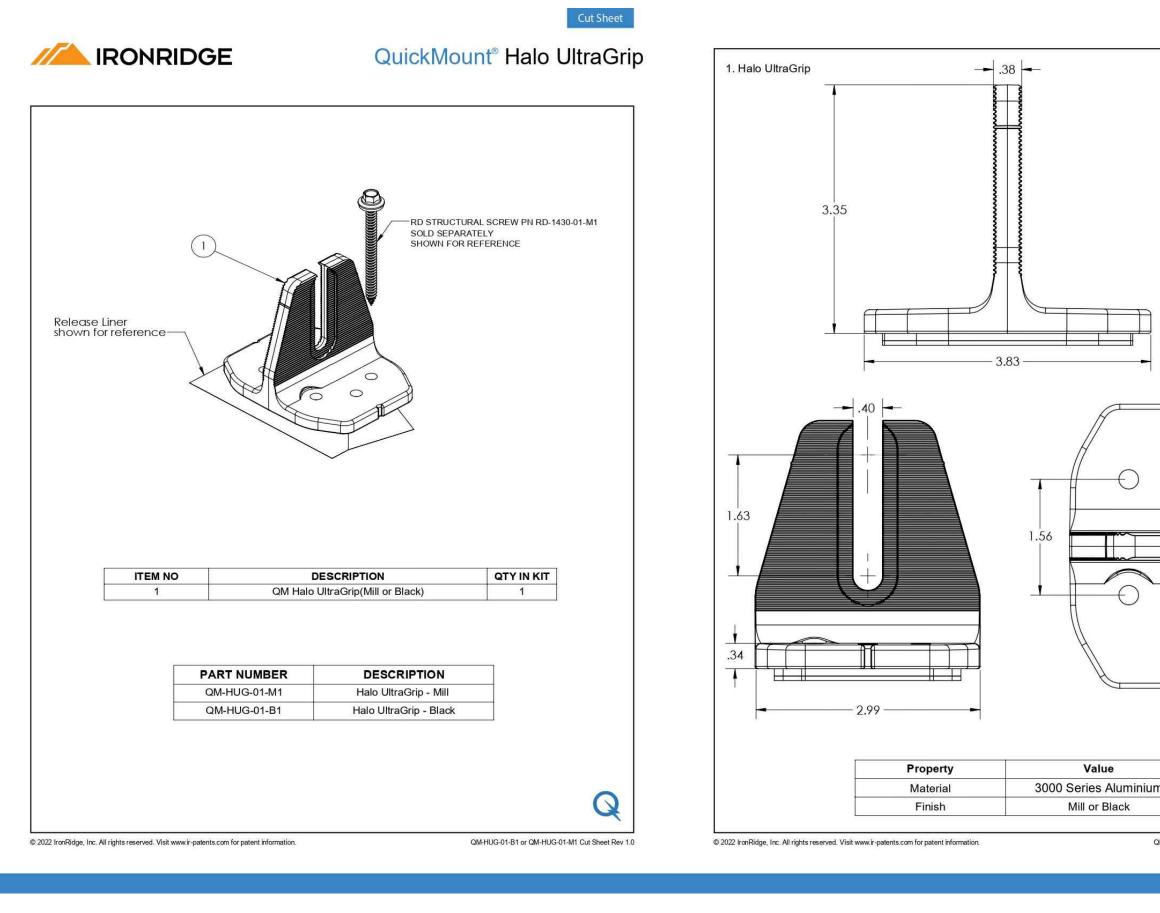
Go to IronRidge.com/UFO

	Cross-System	Compa
Feature	Flush Mount	Tilt N
XR Rails	~	
UFO/Stopper	~	,
Bonded Splice	~	
Grounding Lugs	1 per Row	1 pei
Microinverters & Power Optimizers	Enphase - M25 Darfon - N SolarEdge - P300,	/IG240, N
Fire Rating	Class A	Cla
Modules	Tested or Evaluated with Refer to installation ma	



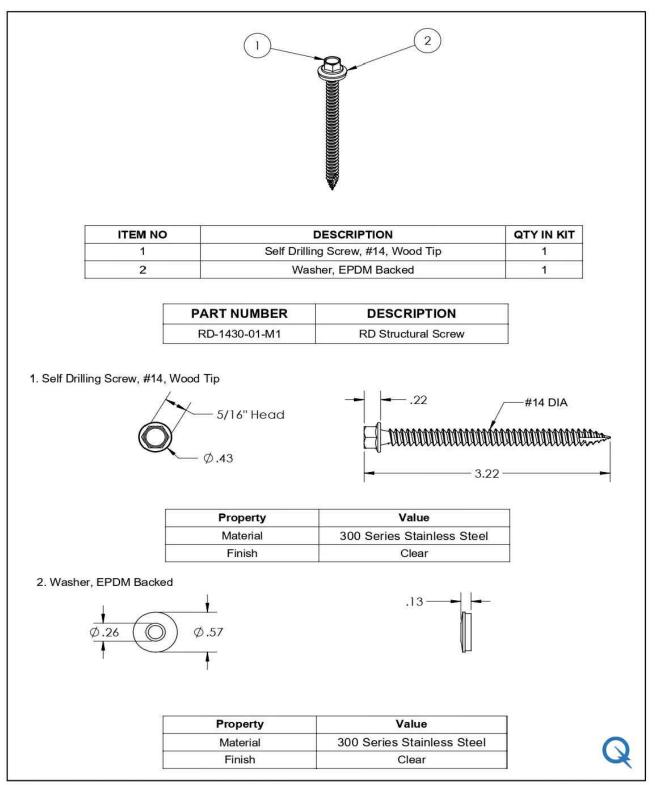


TOP TIER SOLAR SOLUTION TOP TIER SOLAR SOLUTIONS 1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217, UNITED STATES REVISIONS DESCRIPTION DATE REV INITIAL DESIGN 02/13/2024 **PROJECT NAME & ADDRESS** JAMES DORMAN RESIDENCE 205 PINEVIEW DR, ERWIN, NC 28339 DRAWN BY ESR SHEET NAME EQUIPMENT **SPECIFICATION** SHEET SIZE ANSI B 11" X 17" SHEET NUMBER



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M-HUG-01-B1 or QM-HUG-01-M1 Cut Sheet Rev 1.0	SHEET NAME EQUIPMENT SPECIFICATION		
	SHEET SIZE ANSI B 11" X 17"		
	SHEET NUMBER PV-16		

IRONRIDGE QuickMount® RD Structural Screw



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

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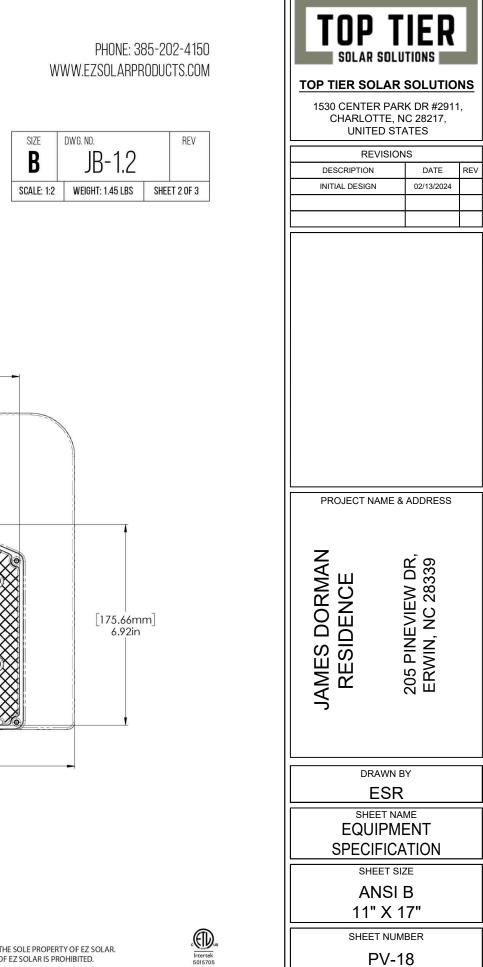


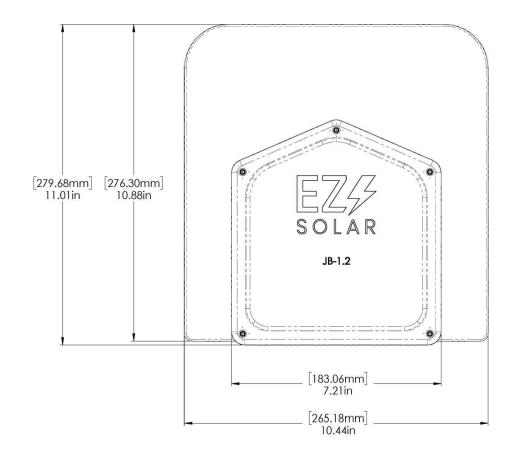
PHONE: 385-202-4150 WWW.EZSOLARPRODUCTS.COM

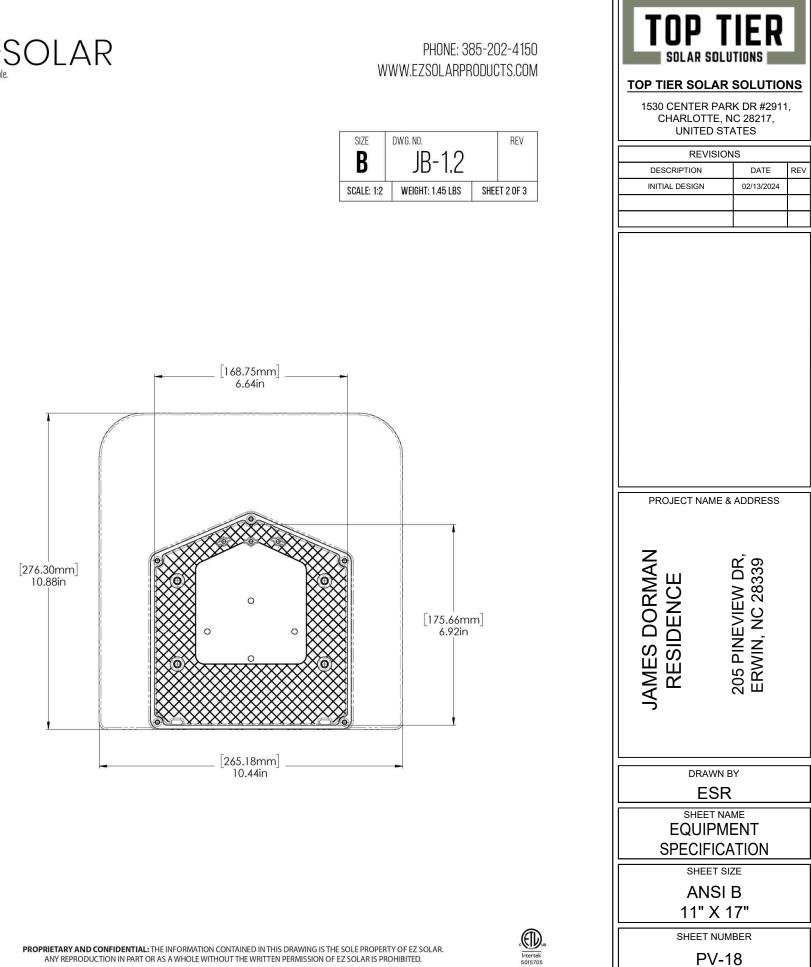


ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	JB-1.2 BODY	POLYCARBONATE WITH UV INHIBITORS	1
2	JB-1.2 LID	POLYCARBONATE WITH UV INHIBITORS	1
3	#10 X 1-1/4" PHILLIPS PAN HEAD SCREW		6
4	#8 X 3/4" PHILLIPS PAN HEAD SCREW		6

size B	dwg. no.	8-1.2		REV
SCALE: 1:2			T 1 OF 3	
TORQUE SPECIFICATION:		15-20 LBS		
CERTIFICATION:		UL 174 CSA C2		
WEIG	HT:	1.	45 LBS	









_ [72.53mm] _ 2.86in