

March 30, 2022

Parker Schram 365 Solar 3524 Bost Street Charlotte, NC 28208

> Re: Engineering Services Wilson-Gardner Residence 50 Winfield Court, Lillington, NC 7.600 kW System

To Whom It May Concern:

We have received information regarding solar panel installation on the roof of the above referenced structure. Our evaluation of the structure is to verify the existing capacity of the roof system and its ability to support the additional loads imposed by the proposed solar system.

A. Site Assessment Information

- 1. Site visit documentation identifying attic information including size and spacing of framing for the existing roof structure.
- Design drawings of the proposed system including a site plan, roof plan and connection details for the solar panels. This information will be utilized for approval and construction of the proposed system.

B. Description of Structure:

Roof Framing:Prefabricated wood trusses at 24" on center. All truss members are
constructed of 2x4 dimensional lumber.Roof Material:Composite Asphalt Shingles
33 degreesAttic Access:Accessible
Permanent

- C. Loading Criteria Used
 - Dead Load
 - Existing Roofing and framing = 7 psf
 - New Solar Panels and Racking = 3 psf
 - TOTAL = 10 PSF
 - Live Load = 20 psf (reducible) 0 psf at locations of solar panels
 - Ground Snow Load = 15 psf
 - Wind Load based on ASCE 7-10
 - Ultimate Wind Speed = 120 mph (based on Risk Category II)
 - Exposure Category C

Analysis performed of the existing roof structure utilizing the above loading criteria is in accordance with the North Carolina Residential Code (2018), including provisions allowing existing structures to not require strengthening if the new loads do not exceed existing design loads by 105% for gravity elements and 110% for seismic elements. This analysis indicates that the existing framing will support the additional panel loading without damage, if installed correctly.

D. Solar Panel Anchorage

- 1. The solar panels shall be mounted in accordance with the most recent Ironridge installation manual. If during solar panel installation, the roof framing members appear unstable or deflect non-uniformly, our office should be notified before proceeding with the installation.
- 2. The maximum allowable withdrawal force for a ⁵/₁₆" lag screw is 235 lbs per inch of penetration as identified in the National Design Standards (NDS) of timber construction specifications. Based on a minimum penetration depth of 2½", the allowable capacity per connection is greater than the design withdrawal force (demand). Considering the variable factors for the existing roof framing and installation tolerances, the connection using one ⁵/₁₆" diameter lag screw with a minimum of 2½" embedment will be adequate and will include a sufficient factor of safety.
- 3. Considering the wind speed, roof slopes, size and spacing of framing members, and condition of the roof, the panel supports shall be placed no greater than 48" on centers.
- 4. Panel supports connections shall be staggered to distribute load to adjacent framing members.

Based on the above evaluation, this office certifies that with the racking and mounting specified, the existing roof system will adequately support the additional loading imposed by the solar system. This evaluation is in conformance with the North Carolina Residential Code (2018) current industry standards, and is based on information supplied to us at the time of this report.

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

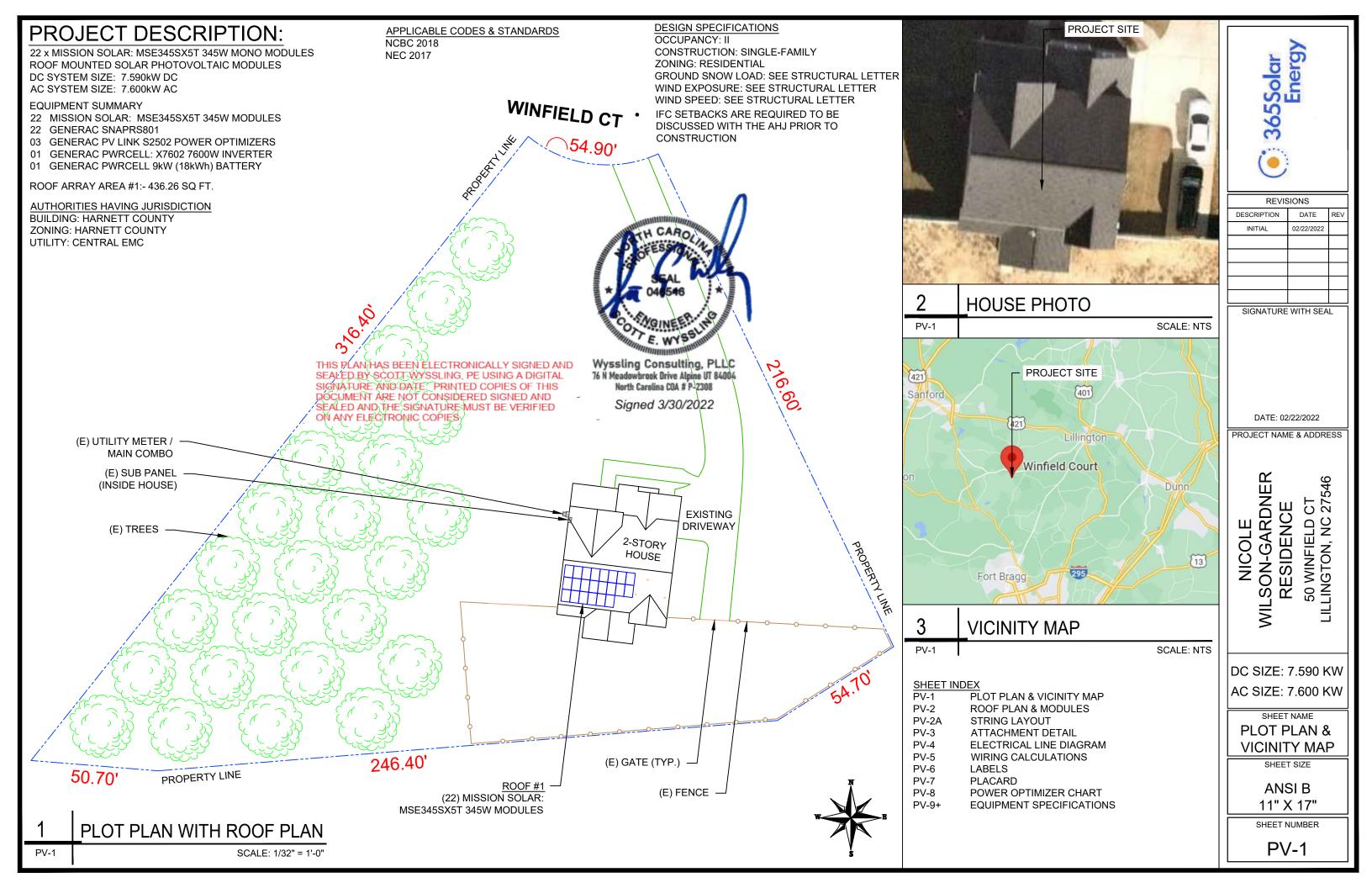
truly yours

Scott E. Wyssling, PE North Carolina Licenter 46546



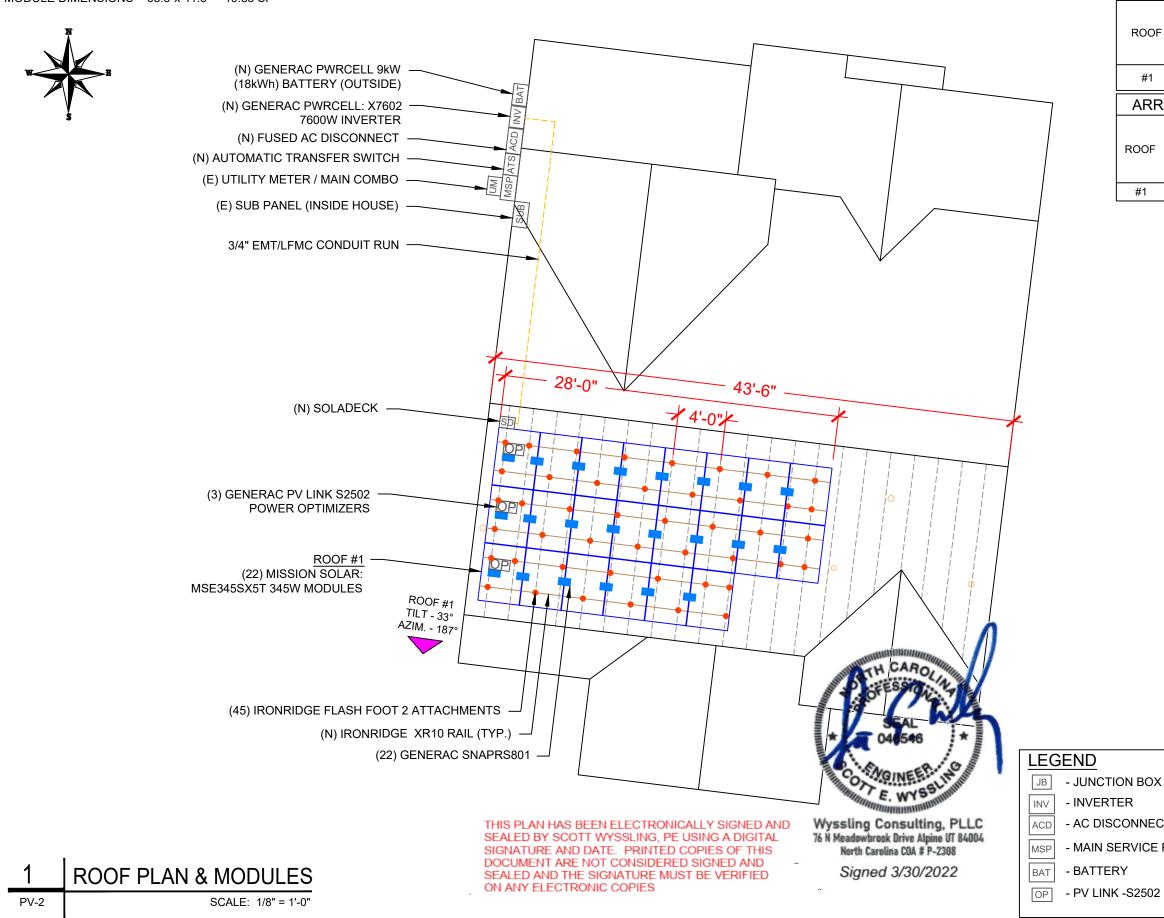
Wyssling Consulting, PLLC 76 N Meadowbrook Drive Alpine UT 84004 COA # P-2308





MODULE TYPE, DIMENSIONS & WEIGHT

NUMBER OF MODULES = 22 MODULES MODULE TYPE = MISSION SOLAR: MSE345SX5T 345W MODULES MODULE WEIGHT = 44.80 LBS / 20.3KG. MODULE DIMENSIONS = 68.8"x 41.5" = 19.83 SF



ROOF TY

ROOF LA

ROOF

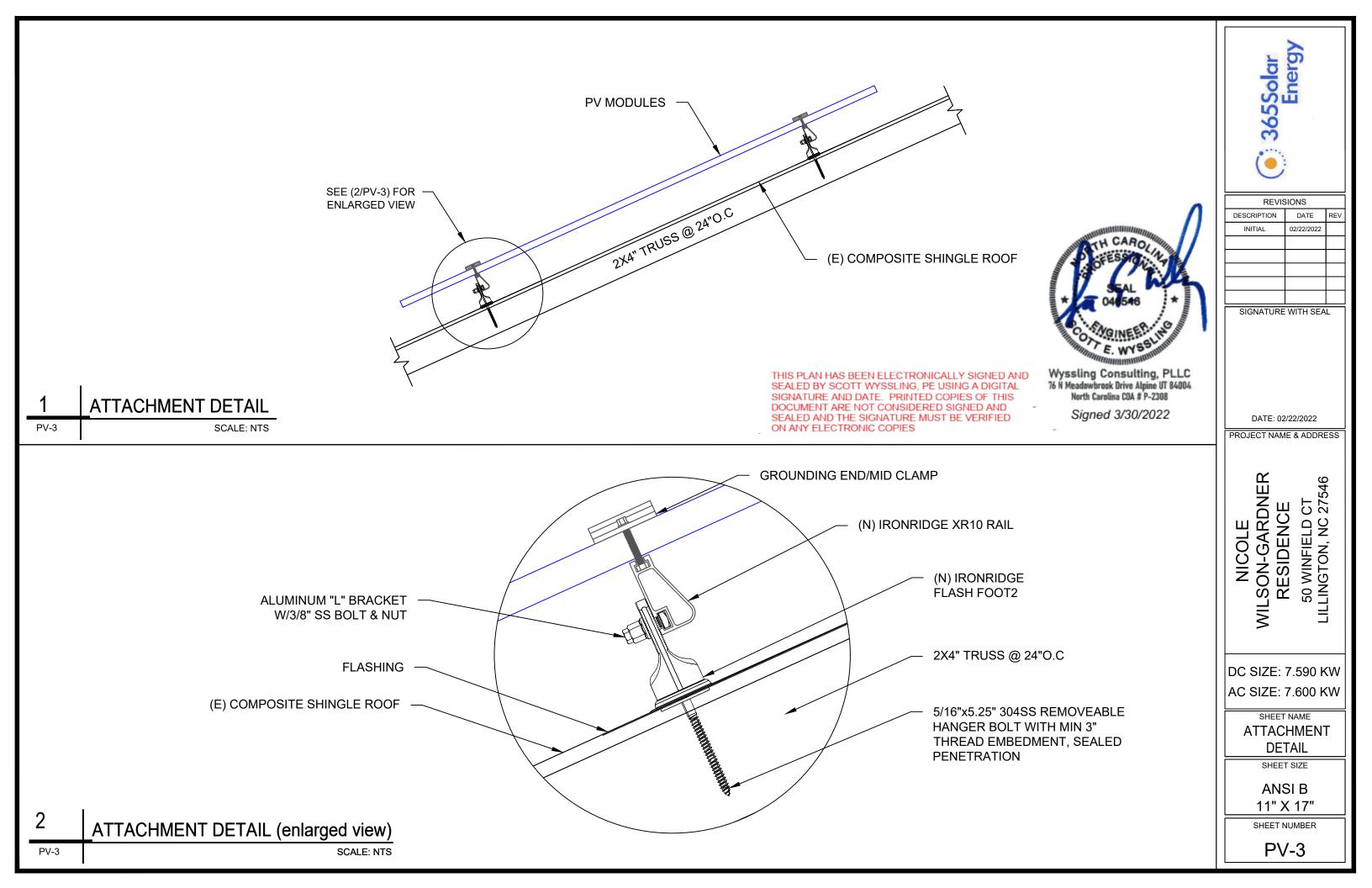
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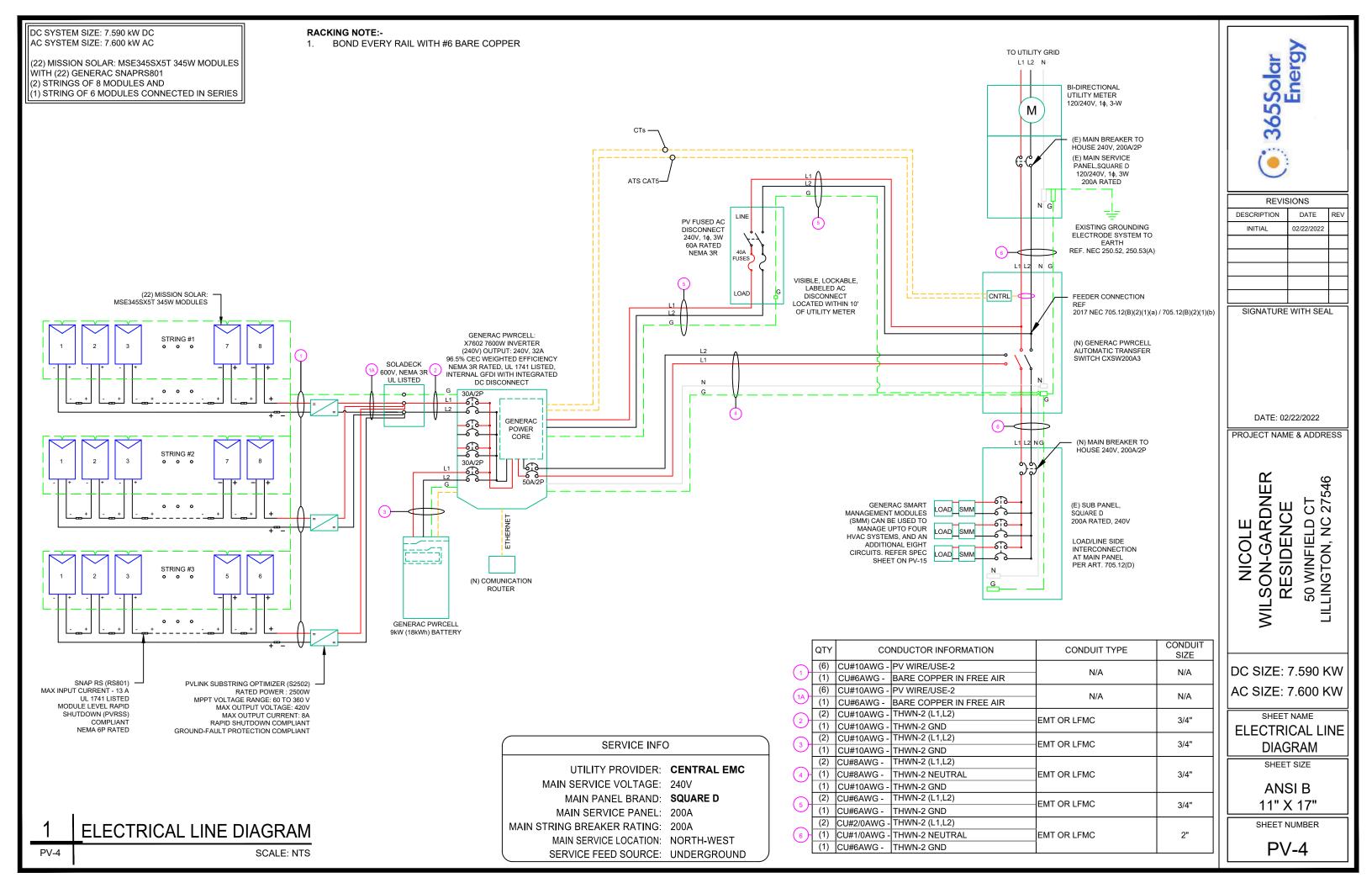
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ROOF DESCRIPTION TYPE COMPOSITE SHINGLE AYER 1 LAYER F ROOF TILT AZIMUTH TRUSS SIZE TRUSS SPACING	65Solar Energy
AYER COMPOSITE SHINGLE	65Solar Energy
AYER 1 LAYER	65Sola Ener
E ROOF AZIMUTH TRUSS TRUSS	65Sc En
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33° 187° 2X4 24"	100
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	WILSON-GARDN RESIDENCE 50 WINFIELD CT LILLINGTON, NC 275
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68 8. 8	
08	-
MISSION SOLAR:	SIZE: 7.590 KW
MSE345SX5T AC	SIZE: 7.600 KW
345W MODULES	SHEET NAME
	OOF PLAN &
	MODULES
- SNAPRS801	SHEET SIZE
CT - VENT, ATTIC FAN (ROOF OBSTRUCTION)	ANSI B
PANEL ROOF ATTACHMENT	11" X 17"
truss	SHEET NUMBER
2 CONDUIT	PV-2

		BILL OF MATERIALS
STRING LEGENDS	EQUIPMENT	QTY DESCRIPTION
STRING #1	SOLAR PV MODULE	22 MISSION SOLAR: MSE345SX5T 345W MODULES
STRING #2	SNAPRS	22 GENERAC SNAPRS801
STRING #3	OPTIMIZER	3 GENERAC PV LINK S2502 POWER OPTIMIZERS
	INVERTER	1 GENERAC PWRCELL: X7602 7600W INVERTER
	BATTERY	1 GENERAC PWRCELL 9kW (18kWh) BATTERY
INV	AC DISCONNECT	1 60A FUSED AC DISCONNECT, (2) 40A FUSES, 240V NEMA 3R, UL LISTED
ACD	SOLADECK	1 SOLADECK 600V,NEMA 3R, UL LISTED
	ATTACHMENT SQUARE-BOLT	45 IRONRIDGE FLASH FOOT 2 ATTACHMENT 45 SQUARE-BOLT BONDING ATTACHMENT HARDWARE
AT 15	RAILS	45 SQUARE-BOLT BONDING ATTACHMENT HARDWARE 11 IRONRIDGE XR10 RAIL-168" (14 FEET) BLACK
NSP NSP	BONDED SPLICE	6 SPLICE KIT
	MODULE CLAMPS	38 UNIVERSAL MODULE CLAMPS
	END CLAMPS	12 END CLAMPS / STOPPER SLEEVE
	GROUNDING LUG	3 IRONRIDGE GROUNDING LUG
[SD]		
<u>OP</u>		
STRING #1		
	IZER -1 :	
8 MODULES)		
STRING #2		
(PV LINK OPTIM	ZER -2 :	
8 MODULES)		
STRING #3		
(PV LINK OPTIMI	ZER -3 :	
6 MODULES)		
		й
1 ROOF PLAN WITH STRING LAYOUT		
		$\sim V$
PV-2A SCALE: 1/8" = 1'-0"		Ś

REVISIONS DESCRIPTION DATE REV INITIAL 02/22/2022 02/22/2022 INITIAL 02/22/2022 0 INITIAL 02/22/2022 0						
DESCRIPTION DATE REV INITIAL 02/22/2022						
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SIGNATURE WITH SEAL						
DATE: 02/22/2022 PROJECT NAME & ADDRESS MILSON-GARDNER NCC S0 WINFIELD CT FILLINGTON, NC 27546						
DC SIZE: 7.590 KW AC SIZE: 7.600 KW						
SHEET NAME STRING LAYOUT						
SHEET SIZE ANSI B 11" X 17"						
SHEET NUMBER PV-2A						





SOLAR MOL	DULE SPECIFICATIONS	POWER OPTIMIZER (GENERAC PV L	INK S2502 POWER OPTIMIZERS)	AMBIENT TEMPERATURE SPECS			
MANUFACTURER / MODEL #	MISSION SOLAR: MSE345SX5T 345W MODULES	RATED POWER	2500W	RECORD LOW TEMP	-10°		
VMP	33.37V	MAXIMUM INPUT VOLTAGE	420Voc	AMBIENT TEMP (HIGH TEMP 2%)	36°		
IMP	10.34A	MPPT VOLTAGE RANGE	60-360Vmp	MODULE TEMPERATURE COEFFICIENT OF Voc	-0.262%/°C		
VOC	41.00V	NOMINAL OUTPUT	380Vdc		-		
ISC	10.92A	MAXIMUM OUTPUT	420Adc				
TEMP. COEFF. VOC -0.262%/°C		MAXIMUM OUTPUT CURRENT	8A				
MODULE DIMENSION	68.8"L x 41.5"W x 1.60"D (In Inch)	MAXIMUM SHORT CIRCUIT CURRENT	18A				

INVERTER	SPECIFICATIONS	PERCENT OF VALUES	NUMBER OF CURRENT
MANUFACTURER / MODEL #	GENERAC PWRCELL: X7602 7600W		CARRYING CONDUCTORS IN EMT
	INVERTER	0.80	4-6
NOMINAL AC POWER	7.600 KW	0.30	7.0
NOMINAL OUTPUT VOLTAGE	240 VAC	0.70	7-9
		0.50	10-20
NOMINAL OUTPUT CURRENT	32A		

									D	C FEEDER CA	LCULATIONS	;					
CIRCUIT ORIGIN	CIRCIUT DESTINATION	VOLTAGE (V)	FULL LOAD AMPS "FLA" (A)	FLA*1.25 (A)	OCPD SIZE (A)	GROUND SIZE	CONDUCTOR SIZE	75°C AMPACITY (A)		AMBIENT TEMP. (°C)	TOTAL CC CONDUCTO RS 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	FEEDE LENGT (FEET
STRING 1	SOLADECK	380	8.00	10.00	20	BARE COPPER #6 AWG	CU #10 AWG	35	PASS	36	2	40	0.91	1	36.4	PASS	5
STRING 2	SOLADECK	380	8.00	10.00	20	BARE COPPER #6 AWG	CU #10 AWG	35	PASS	36	2	40	0.91	1	36.4	PASS	5
STRING 3	SOLADECK	380	8.00	10.00	20	BARE COPPER #6 AWG	CU #10 AWG	35	PASS	36	2	40	0.91	1	36.4	PASS	5
SOLADECK	INVERTER	380	24.00	30.00	30	CU #10 AWG	CU #10 AWG	35	PASS	36	2	40	0.91	1	36.4	PASS	40

	AC FEEDER CALCULATIONS																		
c	ircuit origin	CIRCIUT DESTINATION	VOLTAGE (V)	FULL LOAD AMPS "FLA" (A)	FLA*1.25	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)	FOR AMBIENT	DERATION FACTOR FOR CONDUCTORS PER RACEWAY NEC 310.15(B)(3)(a)	AMPACITY	AMPACITY CHECK #2	
	INVERTER 1	AC DISCONNECT	240	32	40	40	N/A	CU #6 AWG	CU #6 AWG	65	PASS	36	2	75	0.91	1	68.25	PASS	
A	C DISCONNECT	POI	240	32	40	40	N/A	CU #6 AWG	CU #6 AWG	65	PASS	36	2	75	0.91	1	68.25	PASS	

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 SOLADECK, RACEWAYS, AND CONDUITS ARE NOT SPECIFIED, THE CONTRACTOR SHALL SIZE THEM ACCORDINGLY.
- 7. ALL WIRE TERMINATIONS SHALL BE APPROPRIATELY LABELED AND READILY VISIBLE.
- 8. 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.

-1 3	6°					REVISIONS DESCRIPTION DATE INITIAL 02/22/2022
L	FEEDER ENGTH (FEET)	CONDUCTOR RESISTANCE (OHM/KFT) 1.24	VOLTAGE DROP AT FLA (%) 0.026	CONDUIT SIZE N/A	CONDUIT FILL (%) #N/A	SIGNATURE WITH SEAL
)	String 2 \	1.24 1.24 1.24 /oltage Drop /oltage Drop	0.026 0.026 0.627 0.653 0.653 0.653	N/A N/A 3/4" EMT	#N/A #N/A 11.87617	DATE: 02/22/2022 PROJECT NAME & ADDRESS
ITY #2	FEEDE LENGT (FEET 5 5 CUMU	TH RESISTAN	NCE DROP AT FLA (%) 0.065 0.065 0.065	CONDUIT	CONDUIT FILL (%) 28.5366 28.5366	NICOLE WILSON-GARDNER RESIDENCE 50 WINFIELD CT LILLINGTON, NC 27546
						DC SIZE: 7.590 KW AC SIZE: 7.600 KW SHEET NAME WIRING CALCULATIONS SHEET SIZE ANSI B 11" X 17" SHEET NUMBER PV-5

CAUTION: AUTHORIZED SOLAR **PERSONNEL ONLY!**

LABEL-1: LABEL LOCATION: AC DISCONNECT

WARNING: PHOTOVOLTAIC **POWER SOURCE**

EVERY 10' ON CONDUIT & ENCLOSURES

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

ELECTRICAL SHOCK HAZARD

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

LABEL- 3: LABEL LOCATION AC DISCONNECT INVERTER MAIN SERVICE PANEL SUBPANEL MAIN SERVICE DISCONNECT CODE REF: NEC 690.13(B)

MARNING DUAL POWER SOURCE SECOND SOURCE IS PHOTOVOLTAIC SYSTEM

LABEL- 4: LABEL LOCATION: PRODUCTION METER UTILITY METER MAIN SERVICE PANEL SUBPANEL CODE REF: NEC 705.12(C) & NEC 690.59

TURN OFF PHOTOVOLTAIC AC **DISCONNECT PRIOR TO** WORKING INSIDE PANEL

LABEL- 5: LABEL LOCATION MAIN SERVICE PANEL SUBPANEL MAIN SERVICE DISCONNECT CODE REF: NEC 110.27(C) & OSHA 1910.145 (f) (7)

> **PHOTOVOLTAIC SYSTEM CIRCUIT IS** BACKFEED

LABEL- 6: LABEL LOCATION

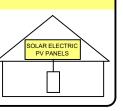
MAIN SERVICE PANEL (ONLY IF SOLAR IS BACK-FED) SUBPANEL (ONLY IF SOLAR IS BACK-FED) CODE REF: NEC 705.12(D) & NEC 690.59

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

LABEL-7: <u>LABEL LOCATION:</u> MAIN SERVICE PANEL (ONLY IF SOLAR IS BACK-FED) CODE REF: 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- 8: LABEL LOCATION: AC DISCONNECT CODE REF: IFC 605.11.3.1(1) & NEC 690.56(C)

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

LABEL- 9: LABEL LOCATION AC DISCONNECT CODE REF: NEC 690.56(C)(2)

PHOTOVOLTAIC

AC DISCONNECT

LABEL- 10: LABEL LOCATION: AC DISCONNECT CODE REF: NEC 690.13(B)

PHOTOVOLTAIC

DC DISONNECT

LABEL- 11: LABEL LOCATION: INVERTER CODE REF: NEC 690.13(B)

PHOTOVOLTAIC **AC DISCONNECT**

32.00 A

NOMINAL OPERATING AC VOLATGE 240 V

RATED AC OUTPUT CURRENT

LABEL- 12: LABEL LOCATION: MAIN SERVICE PANEL SUBPANEL AC DISCONNECT CODE REF: NEC 690.54

INVERTER AC DISCONNECT OMINAL OPERATING AC VOLATGE 240 V RATED AC OUTPUT CURRENT 32.00 A LABEL- 13: LABEL LOCATION:

INVERTER CODE REF: NEC 690.54

MAXIMUM VOLTAGE	380 V
MAXIMUM CIRCUIT CURRENT	30 A
MAXIMUM RATED OUTPUT	
CURRENT OF THE CHARGE CONTROLLER OR DC-TO-DC	
CONVERTER (IF INSTALLED)	

LABEL- 14: LABEL LOCATION: INVERTER CODE REF: NEC 690.53

MAIN PHOTOVOLTAIC SYSTEM DISCONNECT

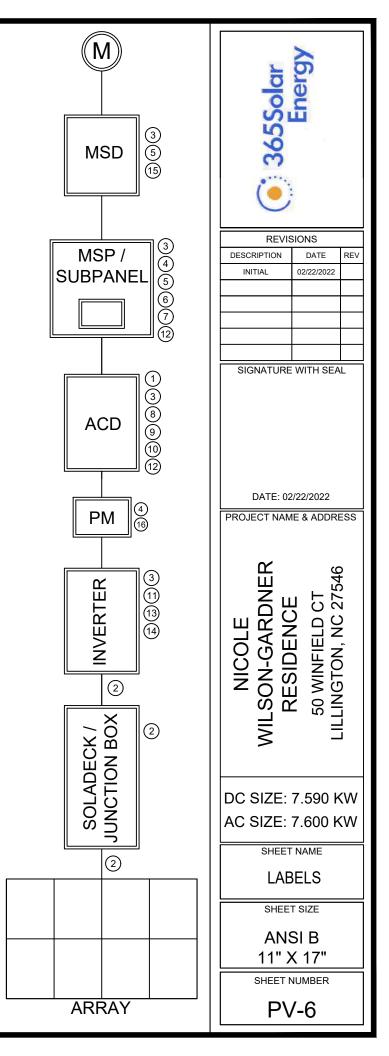
LABEL- 15: LABEL LOCATION: MAIN SERVICE DISCONNECT (ONLY IF MAIN SERVICE DISCONNECT IS PRESENT) CODE REF: NEC 690.13(B)

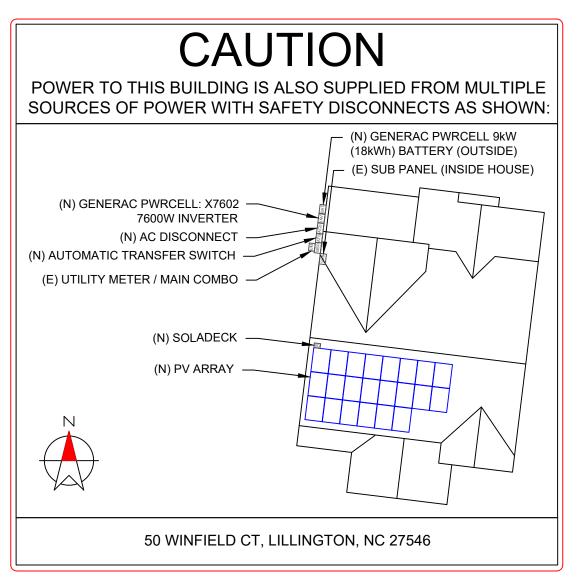
PRODUCTION METER

LABEL- 16: LABEL LOCATION: PRODUCTION METER (ONLY IF PRODUCTION METER IS USED)

NOTE:

* ELECTRICAL DIAGRAM SHOWN IS FOR LABELING PURPOSES ONLY. NOT AN ACTUAL REPRESENATION OF EQUIPMENT AND CONNECTIONS TO BE INSTALLED. LABEL LOCATIONS PRESENTED MAY VERY DEPENDING ON TYPE OF INTERCONNECTION METHOD AND LOCATION PRESENTED ELECTRICAL DIAGRAM PAGE. **





DIRECTORY

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

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

LABELING NOTES:

1. LABELS CALLED OUT ACCORDING TO ALL COMMON CONFIGURATIONS. ELECTRICIAN TO DETERMINE EXACT REQUIREMENTS IN THE FIELD PER CURRENT NEC AND LOCAL CODES AND MAKE APPROPRIATE ADJUSTMENTS.

2. LABELING REQUIREMENTS BASED ON THE 2017 NATIONAL ELECTRIC CODE, OSHA STANDARD 19010.145, ANSI Z535.

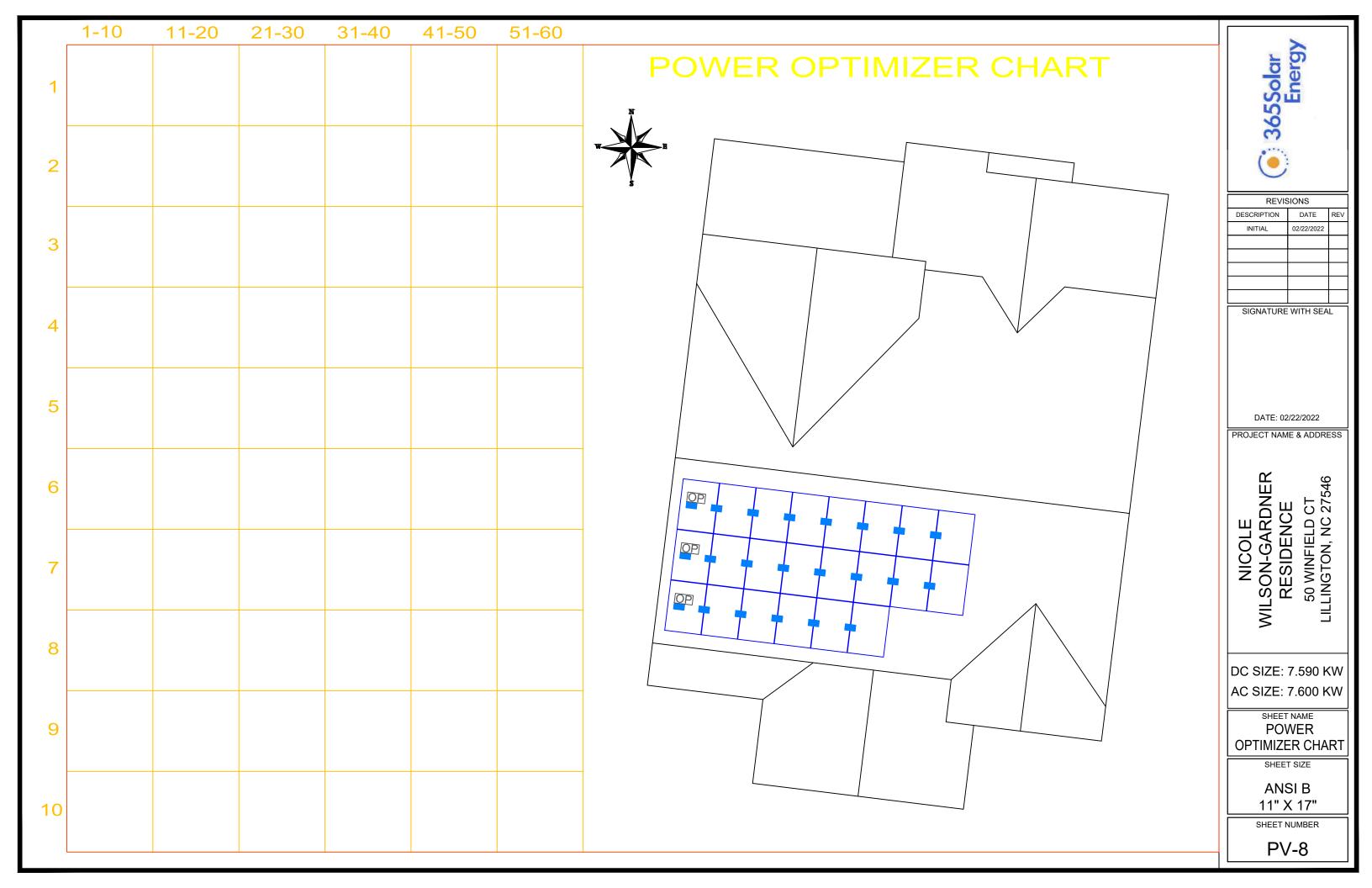
3. MATERIAL BASED ON THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.

4. LABELS TO BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED [NEC 110.21]

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

AFFIXED [IFC 605.11.1.1]

 365Solar Energy
DESCRIPTION DATE REV INITIAL 02/22/2022
SIGNATURE WITH SEAL
DATE: 02/22/2022 PROJECT NAME & ADDRESS MILSON-GARDNER RESIDENCE 50 WINFIELD CT LILLINGTON, NC 27546
DC SIZE: 7.590 KW AC SIZE: 7.600 KW
SHEET NAME PLACARD
SHEET SIZE ANSI B 11" X 17"
SHEET NUMBER



MSE PERC 60





FRAME-TO-FRAME WARRANTY

Degradation guaranteed not to exceed 2% in year one and 0.58% annually from years two to 30 with 84.08% guaranteed in year 25. For more information visit www.missionsolar.com/warranty

CERTIFICATIONS



If you have questions or concerns about certification of our products in your area, please contact Mission Solar Energy.

UL 61730 / IEC 61215 / IEC 61730 / IEC 61701

C-SA2-MKTG-0025 REV 4 05/05/2021

True American Quality True American Brand

MISSION SOLAR ENERGY

Mission Solar Energy is headquartered in San Antonio, Texas, where we manufacture our modules. We produce American, high quality solar modules ensuring the highest in-class power output and best in-class reliability. Our product line is tailored for residential, commercial and utility applications. Every Mission Solar Energy solar module is certified and surpasses industry standard regulations, proving excellent performance over the long term.

Demand the best. Demand Mission Solar Energy.



Certified Reliability • Tested to UL 61730 & IEC Standards PID resistant

Resistance to salt mist corrosion



Advanced Technology

- 6 Busbar Passivated Emitter Rear Contact
- · Ideal for all applications

Extreme Weather Resilience

- Up to 5,600 Pa front load & 5,631 Pa back load Tested load to UL 61730
- 40 mm frame

BAA Compliant for Government Projects

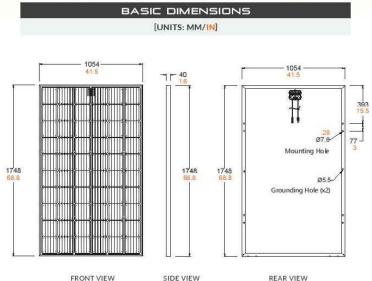


Buy American Act

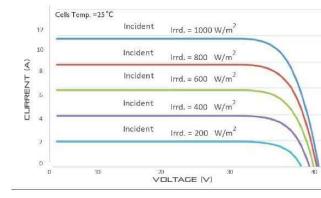
American Recovery & Reinvestment Act



Class Leading 340-350W



CURRENT-VOLTAGE CURVE MSE3455X5T: 345WP, 60 CELL SOLAR MODULE Current-voltage characteristics with dependence on irradiance and module temperature



CERTIFICATIONS AND TESTS IEC 61215, 61730, 61701

UL 61730



Mission Solar Energy 8303 S. New Braunfels Ave., San Antonio, Texas 78235 www.missionsolar.com | info@missionsolar.com

C-SA2-MKTG-0025 REV 4 05/05/2021

REAR VIEW

Maximum Serie Fire Safety Front Hail Safety Im

Solar Ce

TEM

Cell Orientati Module Dimens Wei Front Gla Frai Encapsula Junction B Cab

Connec

S Container Feet 53' Double Stack

> Weight 1263 lbs (573 kg)

www.missionsolar.com | info@missionsolar.com

MSE PERC 60

PRODUCT TYPE	MSE	MSExxxSX5T (xxx = Pmax)									
Power Output	Pmax	Wp	340	345	350						
Module Efficiency		%	18.5	18.7	19.0						
Tolerance		%	0/+3	0/+3	0/+3						
Short Circuit Current	lsc	V	10.86	10.92	10.97						
Open Circuit Voltage	Voc	А	40.82	41.00	41.18						
Rated Current	Imp	V	10.24	10.34	10.44						
Rated Voltage	Vmp	V	33.20	33.37	33.52						
Fuse Rating		А	20	20	20						
System Voltage		V	1,000	1,000	1,000						

TEMPERATURE COEFF
Normal Operating Cell Temperature (NOCT)
Temperature Coefficient of Pmax
Temperature Coefficient of Voc
Temperature Coefficient of Isc

T)	44.43°C (±3.7%)
х	-0.361%/°C
C	-0.262%/°C
ic.	0.039%/°C

OPERATING	5 CONDITIONS
Maximum System Voltage	1,000Vdc
Operating Temperature Range	-40°C (-40°F) to +85°C (185°F)
Maximum Series Fuse Rating	20A
Fire Safety Classification	Type 1
Front & Back Load (UL Standard)	Up to 5,600 Pa front and 5,631 Pa back load, Tested to UL 61730
Hail Safety Impact Velocity	25mm at 23 m/s

MECHANICAL DATA

ells	P-type mono-crystalline silicon
ion	60 cells (6x10)
ion	1748mm × 1054mm × 40mm
ght	20.3 kg (44.8 lbs.)
ass	3.2mm, tempered, low-iron, anti-reflective
me	Anodized
ant	Ethylene vinyl acetate (EVA)
Зох	Protection class IP67 with 3 bypass-diodes
ble	1.0m, Wire 4mm2 (12AWG)
tor	Staubli PV-KBT4/6II-UR and PV-KST4/6II-UR, MC4, Renhe 05-8

HIPPING	INFO		N
Ship To	Pallet	Panels	345 W Bin
Most States	34	884	304.98 kW
CA	28	728	251.16 kW
PALLE	T [26 PAN	NELS]	
Height 47.5 in (120.65 cm) (1	Width 46 in 16.84 cm)	Length 70.25 in (178.43 cm)

www.missionsolar.com | info@missionsolar.com

365Solar Energy				
REVI	SIONS			
DESCRIPTION	DATE REV			
INITIAL	02/22/2022			
	WITH SEAL			
DATE: 02/22/2022 PROJECT NAME & ADDRESS BESIDENCE 20 MINFIELD CT 11/1/0500, NC 27546				
DC SIZE: 7.590 KW AC SIZE: 7.600 KW				
SHEET NAME EQUIPMENT SPECIFICATION SHEET SIZE				
ANSI B 11" X 17"				
PV-9				

GENERAC



Inline Disconnect Switc Model: APKE00011

Generac SnapRS are a simple way to satisfy rapid shutdown compliance for solar + storage systems. Generac SnapRS are NEC 2017/2020 690.12 compliant, don't require any extra hardware to mount, and need no pairing or fussy digital communications

FEATURES & BENEFITS

- Fast, easy, and simple to install
- One SnapRS device per PV module
- Achieves PVRSS Compliance
- · Low cost, high efficiency solution

SYSTEM DESIGN

Snap a Generac SnapRS disconnect device (RS) to the negative lead (-) of each module in the solar array for simple module-level rapid shutdown compliance. SnapRS devices isolate array voltage when a rapid shutdown command is given by a connected PWRcell™ Inverter. When signaled by the inverter, SnapRS units isolate each PV module in the array, reducing array voltage to <80V in seconds.

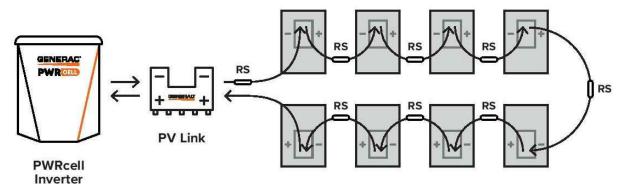


Diagram is applicable for most 60 cell PV modules. Modules with higher cell count may require a different arrangement. Contact Generac for more details.

SnapRS" (APKE00011)	
PV MODULE MAX VOC:	75 V
EFFICIENCY:	99.8%*
MAX INPUT CURRENT:	13 A
SHUTDOWN TIME:	< 10 Seconds
ENCLOSURE RATING:	NEMA 6P
OPERATING TEMPERATURE - FAHRENHEIT (CELSIUS):	-40 to 158 °F (-40 to 70 °C)
CERTIFICATIONS:	UL1741
WEIGHT - LB (KG):	0.17 (0.08)
DIMENSIONS, L x W x H - IN (MM):	7" x 1" x 1" (177.8 x 25.4 x 25.4)
WARRANTY:	25 Years







2500W MPPT Substring Optimizer Model: APKE00010

PV Link is the simple solar optimizer for quick installation and long-lasting performance. Connect PV modules to each PV Link to overcome shading and challenging roof lines.

FEATURES & BENEFITS

- Fast, simple installation
- Lower failure risk than module-level optimizers
- NEC 2017 rapid shutdown compliant with SnapRS™
- Quick connections with MC4 connectors
- Exports up to 2500W
- Compatible with PWRcell[™] Inverters
- Cost-effective solution for high-performance PV
- Ground-fault protection

SINGLE-STRING PV ARRAY WITH SnapRS DEVICES

Where PV module-level rapid shutdown is required (NEC 690.12), a SnapRS device (RS) is installed to negative (-) lead of each PV module.

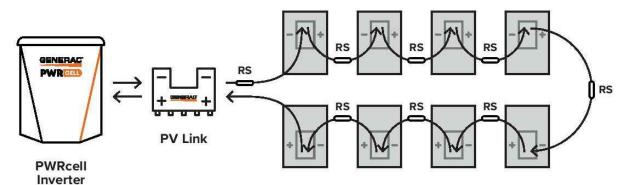


Diagram is applicable for most 60 cell PV modules. Modules with higher cell count may require a different arrangement. Contact Generac for more details.

Specifications

PV Link " (APKE00010)	
RATED POWER*:	2500W
PEAK EFFICIENCY:	99%
MPPT VOLTAGE RANGE:	60-360 VMP
MAX INPUT VOLTAGE:	420 VOC; max when cold
MAX OUTPUT:	420 VOC
NOMINAL OUTPUT (REbus™):	380 VDC
MAX OUTPUT CURRENT (CONTINUOUS):	8 A
MAX OUTPUT CURRENT (FAULT):	10 A
MAX INPUT CURRENT (CONTINUOUS):	13 A @ 50°C, 10 A @ 70°C
MAX INPUT SHORT CIRCUIT CURRENT (ISC):	18 A
STANDBY POWER:	< 1 W
PROTECTIONS:	Ground-fault, Arc-fault (Arc-fa
MAX OPERATING TEMP: FAHRENHEIT (CELSIUS)	158 °F (70 °C)
SYSTEM MONITORING:	PWRview [™] Web Portal and Mo
ENCLOSURE:	Type 3R
WEIGHT - LB (KG):	7.3 lb (3.3 kg)
DIMENSIONS, L x W x H - IN (MM):	15.4" x 2" x 9.6" (391.2 x 50.8
COMPLIANCE:	UL 1741, CSA 22.2
WARRANTY:	25 Years

*PV Link can tolerate higher than rated power at its input if Max Input Voltage and Short Circuit Cur



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Arc-fault Type 1 AFCI, Integrated), PVRSE		
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rrent specifications are not exceeded		
	NICOLE WILSON-GARDNER RESIDENCE 50 WINFIELD CT LILLINGTON, NC 27546	
	DC SIZE: 7.590 KV AC SIZE: 7.600 KV	
	SHEET NAME EQUIPMENT SPECIFICATION	
GENERAC [°]	SHEET SIZE	
	ANSI B	
	11" X 17"	
	SHEET NUMBER	
	PV-11	

REV



11.4 kW 3Ø PWRcell Inverter with CTs Model #: X11402 (Ordering SKU: APKE00013

Solar + storage is simple with the Generac PWRcell[™] Inverter. This bi-directional, REbus[™]-powered inverter offers a simple, efficient design for integrating smart batteries with solar. Ideal for self-supply, backup power, zero-export and energy cost management, the PWRcell Inverter is the industry's most feature-rich line of inverters, available in single-phase and three-phase models.

FEATURES & BENEFITS

- Single inverter for grid-tied solar with smart battery integration
- Simplified system design: No autotransformer or battery inverter needed
- · User-selectable modes for backup power, self-supply, time-of-use, zero-import and export limiting
- Free system monitoring included via PWRview[™] Web Portal and Mobile App

AC OUTPUT/GRID-TIE	MODEL X7602		MODEL X11402
CONT. GRID-TIED AC POWER @ 50°C (122°F):	7600 W		11400 W
AC OUTPUT VOLTAGE:	120/240, 10	VAC	120/208, 3Ø VAC
AC FREQUENCY:	60 Hz		
MAXIMUM CONTINUOUS OUTPUT CURRENT:	32 A, RMS		
GROUND-FAULT ISOLATION DETECTION:	Included		
CHARGE BATTERY FROM AC:	Yes		
THD (CURRENT):	< 2%		
TYPICAL NIGHTTIME POWER CONSUMPTION:	< 7 W		

AC OUTPUT/ISLANDED	MODEL X7602	MODEL X11402
MAX. CONT. ISLANDED AC POWER WITHOUT AN EXTERNAL TRANSFER SWITCH':	7600 W	
MAX. CONT. ISLANDED AC POWER W/ EXTERNAL TRANS- FER SWITCH AND SINGLE 6 MODULE BATTERY CABINET ² :	9000 W	
MAX. CONT. ISLANDED AC POWER W/ EXTERNAL TRANSFER SWITCH AND 2 BATTERY CABINETS (8 MODULES MINIMUM) ² :	11000 W	9600 W-11000 W*
PEAK MOTOR STARTING CURRENT (2 SEC):	50 A, RMS	
AC BACKUP OUTPUT VOLTAGE:	120/240, 1Ø VAC	120/208, 1Ø VAC
AC FREQUENCY:	60 Hz	
THD (VOLTAGE):	< 2%	
ALLOWABLE SPLIT PHASE IMBALANCE:	Up to 30%	

DC INPUT	MODEL X7602	MODEL X11402
DC INPUT VOLTAGE RANGE:	360-420	/DC
NOMINAL DC BUS VOLTAGE:	380 VDC	
DC DISTRIBUTION INPUT BREAKERS:	4 x 2P30	A
MAX INPUT CURRENT PER DC INPUT:	30 A	
REVERSE-POLARITY PROTECTION:	Yes	
TRANSFORMERLESS, UNGROUNDED:	Yes	
TYPICAL NIGHTTIME POWER CONSUMPTION:	< 7 W	
DC BUS EXPORT FUSES (+/-):	40 A	
2-POLE DISCONNECTION:	Yes	

EFFICIENCY	MODEL X7602	MODEL X11402
PEAK EFFICIENCY:	97.3%	97.7%
CEC WEIGHTED EFFICIENCY:	96.5%	97.5%

¹When islanded, continuous power output is restricted to 7.6kW unlsess backup power is routed through an external transfer switch. [,]²Peak performance, values provided for 40°C (104°F).

*In Island mode X11402 protected loads only supply 2 phases 120 VAC L-N, 208 L-L which results in lower power than in grid tied 3 phase mode. The low value of the range is for full L-L loading while high value of the range is full L-N loading

Specifications

FEATURES AND MODES		
ISLANDING ³ :	Yes	
GRID SELL:	Yes	
SELF CONSUMPTION:	Yes	
PRIORITIZED CHARGING FROM RENEWABLES:	Yes	
GRID SUPPORT - ZERO EXPORT:	Yes	

ADDITIONAL FEATURES	
SUPPORTED COMMUNICATION INTERFACES:	REbus [™] , CANbus, RS485 ⁴ , Eth
SYSTEM MONITORING:	PWRview" Web Portal and Mo
BACKUP LOADS DISCONNECT ³ :	Yes
MANUAL INVERTER BYPASS SWITCH:	Automatic
WARRANTY:	10 Years

STANDARDS COMPLIANCE	
SAFETY:	UL1741 SA, CSA 22.2
GRID CONNECTION STANDARDS:	IEEE1547, Rule 21, Rule 14H, C
EMISSIONS:	FCC Part 15 Class B

DIMENSIONS AND INSTALLATION SPECIFICATIONS	
ENCLOSURE KNOCKOUTS - QTY, SIZE - IN (MM):	6 x Combo 3/4" x 1" (19 x 25.4) 7 x Combo 1/2" x 3/4" (12.7 x 19
DIMENSIONS L x W x H - IN (MM):	24.5" x 19.25" x 8" (622.3 x 48
WEIGHT - LB (KG):	62.7 (28.4)
COOLING:	Forced convection
NOISE:	< 40 dBA
OPERATING TEMPERATURE - FAHRENHEIT (CELSIUS):	-4 to 122 °F (-20 to 50 °C)5
PROTECTION RATING:	NEMA 3R

INSTALLATION GUIDELINES	
BATTERY TYPES SUPPORTED:	PWRcell [®] Battery
MODULE STRING SIZE PER PV LINK OPTIMIZER:	Varies, refer to PV Link Installa
MAXIMUM RECOMMENDED DC POWER FROM PV:	10kW (1Ø), 15kW (3Ø)
PWRcell BATTERIES PER INVERTER:	Up to 2

³3Ø inverters offer islanding for 1Ø loads ⁴Modbus ⁵Reduced power at extreme temperatures

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allation Manual	NICOLE WILSON-GARDNER RESIDENCE 50 WINFIELD CT LILLINGTON, NC 27546
	DC SIZE: 7.590 KW AC SIZE: 7.600 KW
GENERAC [®]	SHEET NAME EQUIPMENT SPECIFICATION SHEET SIZE
	ANSI B 11" X 17" SHEET NUMBER PV-12

GENERAC



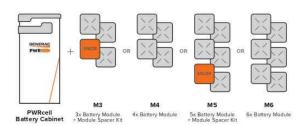
PWRcell Outdoor Rated Battery Cabinet (Ordering SKU: APKE00028) 3.0kWh PWRcell DCB Battery Module Model #: BJ-DCB05ZKBG (Ordering SKU: G0080040) 3.0kWh PWRcell EX Battery Module Model #: G0080001

The PWRcell[™] Outdoor Rated (OR) Battery Cabinet is a Type 3R smart battery enclosure that allows for a range of configurations to suit any need, small or large, indoor or outdoor. No other smart battery offers the power and flexibility of PWRcell.

PWRcell BATTERY CABINET DESIGN

The PWRcell Battery Cabinet allows system owners the flexibility to scale from an economical 9kWh to a massive 18kWh by installing additional battery modules to the PWRcell Battery Cabinet. An existing PWRcell Battery Cabinet can be upgraded with additional modules. Use the graphic below and the chart on the back of this sheet to understand what components you need for your chosen PWRcell configuration.

BATTERY CONFIGURATION GUIDE

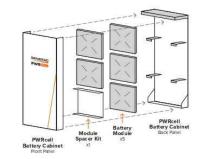




FEATURES & BENEFITS

- Connect 2 PWRcell Battery Cabinets to a single PWRcell Inverter for up to 36kWh of storage
- Best-in-class battery backup power
- Plug-and-play with PWRcell Inverter and PV Link[™]
- Time-of-use (TOU) and zero-export ready
- · Residential and commercial application ready.
- 3R-rated cabinet allows for outdoor or indoor installation
- · Additional mounting hardware for outdoor installations comes standard to provide additional ground clearance and support

BATTERY CABINET ASSEMBLY



Specifications

BATTERY MODULE SERIES:		3.0 kWh DCB . 4	/ 3.0 kWh EX	
BATTERY MODULES:	Y MODULES: 3			
USABLE ENERGY:	9 kWh	12 kWh	15	
NOMINAL CONT. AC POWER ¹ :	3.4 kW	4.5 kW	5.6	
MAX. CONT. AC POWER ² :	4.5 kW	6 kW	7.5	
NOMINAL CONT. DC (CHARGE/DISCHARGE) - A:	11.6	15.5	1	
PEAK MOTOR STARTING CURRENT (2 SEC) - A, RMS:	25	33	4	
REbus [™] VOLTAGE - INPUT/OUTPUT:		360-42	0 VDC	
NOMINAL VOLTAGE:		380 1	/DC	
DC-DC ROUND-TRIP EFFICIENCY:		96.5	5%	
MAXIMUM AMBIENT OPERATING TEMPERATURE:		14 TO 122 °F (-10 TO 50 °C)		
OPTIMAL AMBIENT OPERATING TEMPERATURE:		41 to 104 °F (5 to 40 °C)		
MAXIMUM INSTALLATION ALTITUDE - FT (M):	9834 (3000)		3000)	
DIMENSIONS, L x W x H - IN (MM):		22" x 10" x 68" (559 x 254 x 1727)		
WEIGHT, ENCLOSURE - LB (KG):		115 (52)		
WEIGHT, INSTALLED W/ DCB MODULES - LB (KG):	280 (127)	335 (152)	390	
WEIGHT, INSTALLED W/ EX MODULES - LB (KG):	287 (130)	344 (156)	401	
WEIGHT, ACCESSORY MOUNTING HARDWARE - LB (KG):		21 (10)	
ENCLOSURE TYPE:		Туре	3R	
WARRANTY - LI-ION MODULES:		10 Years, (7.56MWh)	
WARRANTY - ELECTRONICS AND ENCLOSURE: 10 Y		ars		
COMMUNICATION PROTOCOL:	REbus™ DC Nanogrid™			
SEISMIC RATING:		IEEE 693-2018 (HIGH)		

Average AC power over a complete discharge cycle. | ²Peak Performance, values provided for 40°C (104°F). Note: Charge/discharge rate may be reduced at temperature extremes

PWRcell ACCESSORIES

Inside of the PWRcell Battery Cabinet, battery modules are stacked two deep on three levels, allowing for up to six modules to be connected in series. You can upgrade an existing PWRcell Battery Cabinet by adding Battery Modules and a Module Spacer (APKE00008). A Module Spacer is only required for battery configurations with an odd number of modules (i.e. 3 or 5).

Generac offers a convenient PWRcell Battery Upgrade Kit (APKE00009) to help replace lost or misplaced hardware.

Note: When adding modules, be sure all modules within an individual cabinet are of the same series type (i.e., EX or DCB).

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	21 (10)		
	Type 3R		
1	0 Years, (7.56MWh)		
	10 Years		
R	Ebus™ DC Nanogrid™		
IE	EE 693-2018 (HIGH)		
UL 9540, UL	1973, UL 1642, CSA 22.2	#107.1	
ed for 40°C (104)	ர. DEL BUILDER		
VRcell MO		# OF MODULES	BATTERY SERI
VRcell MO	DEL BUILDER	M3	DCB
		M3 ↓	DCB
	DEL BUILDER	M3 V 3 Modules	DCB
		M3 ↓	DCB

6

18 kWh

6.7 kW

9 kW

23.3

50

445 (202)

459 (208)

5

15 kWh

5.6 kW

7.5 kW

19.4

42

390 (177)

401 (182)

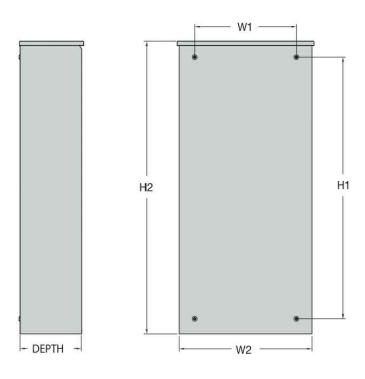
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Specifications

SPECIFICATIONS	CXSC100A3	CXSW100A3	CXSW200A3
AMPS:	100	100	200
VOLTAGE	120/240 1Ø	120/240 10	120/240 10
LOAD TRANSITION TYPE (AUTOMATIC)	OPEN TRANSITION	OPEN TRANSITION SERVICE RATED	OPEN TRANSITION SERVICE RATED
ENCLOSURE TYPE	NEMA 3R	NEMA 3R	NEMA 3R
COMPLIANCE	UL 1008	UL 1008	UL 1008
WITHSTAND RATING (AMPS)	10,000	10,000	20,000
LUG RANGE	1/0 - #14	1/0 - #14	250 MCM - #6

DIMENSIONS		CXSC100A3	CXSW100A3	CXSW200A3
UFICUT (IN/ADD)	H1	17.24/437.9	17.24/437.9	26.75/679.4
HEIGHT (IN/MM)	H2	20/508	20/508	30/762
WIDTH (IN/MM)	W1	12.5/317.5	12.5/317.5	10.5/266.7
	W2	14.6/370.8	14.6/370.8	13.5/342.9
DEPTH (IN/MM)		7.09/180.1	7.09/180.1	6.3/160.1
WEIGHT (LBS/KG)		20/9.07	22.5/10.21	39/17.69



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Model#: CXSW200A3 UPC #: 696471081725

An integraged solar + storage system with load management for whole home coverage is made easy with the PWRcell[™] Automatic Transfer Switch (ATS). Power the entire home and manage up to four individual HVAC (24 Vac controlled) loads with the PWRcell ATS. This built-in capability requires no additional hardware. When used in tandem with Generac Smart Management Modules (SMM) up to eight additional circuits can be controlled by the PWRcell Inverter. Make the most of your Generac solar + storage system with this comprehensive load management solution.

FEATURES & BENEFITS

- Unlock whole home backup power capability for PWRcell solar + storage systems
- Manage up to four HVAC systems, and an additional eight circuits with optional Smart Management Modules (SMMs)
- · Aluminum type 3R enclosure with durable finish for indoor or outdoor installation
- + Heavy Duty Generac Contactor is an ETL recognized device, designed for years of service and reliability



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SHEET SIZE ANSI B 11" X 17"				



SMART MANAGEMENT MODULES

50A Smart Management Module Model #: G0070000 UPC: 696471070002 100A Smart Management Module Model #: G0070.060 UPC: 696471077520 Intertek

Generac's Smart Management Modules (SMMs) allow PWRcell™ to make the most of its leading backup power and capacity by helping to manage power usage and to prevent overload. A PWRcell system can be augmented with up to eight individual Smart Management Modules. SMMs do not require additional control devices for operation.

SMMs function by monitoring inverter power frequency (Hz). When loads demand more power than the inverter can produce, the PWRcell inverter will change frequency, signaling SMMs to shed loads and allow the inverter to recover.

The modules can be set to a load priority between 1-8 or be set in a lock-out mode for loads that do not need to run in an outage.

FEATURES & BENEFITS

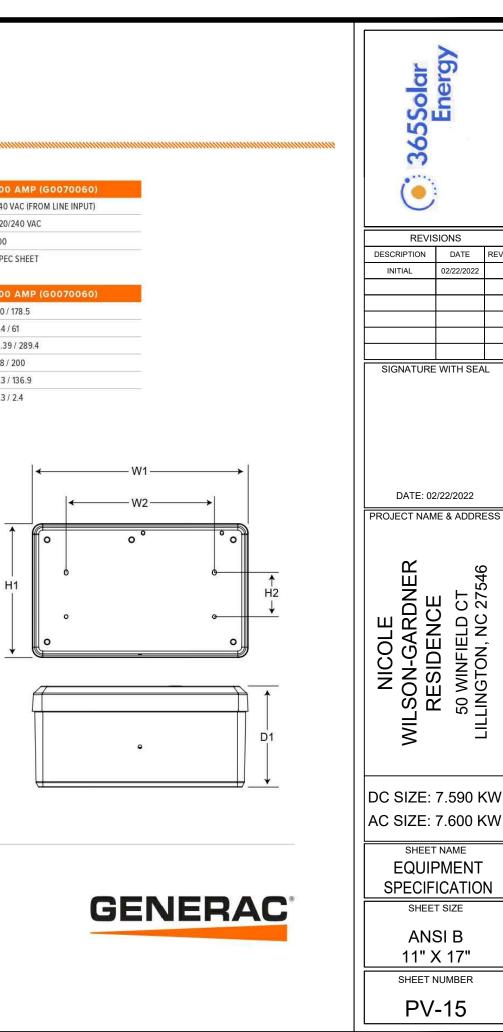
- Integrate into a PWRcell solar + storage system for automatic power management
- Type 3R enclosure for indoor or outdoor installation
- Lock-out feature prevents loads from operating when system is operating under backup power
- Intelligently manage up to 12 loads when used in conjunction with the PWRcell Automatic Transfer Switch

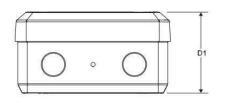
Specifications

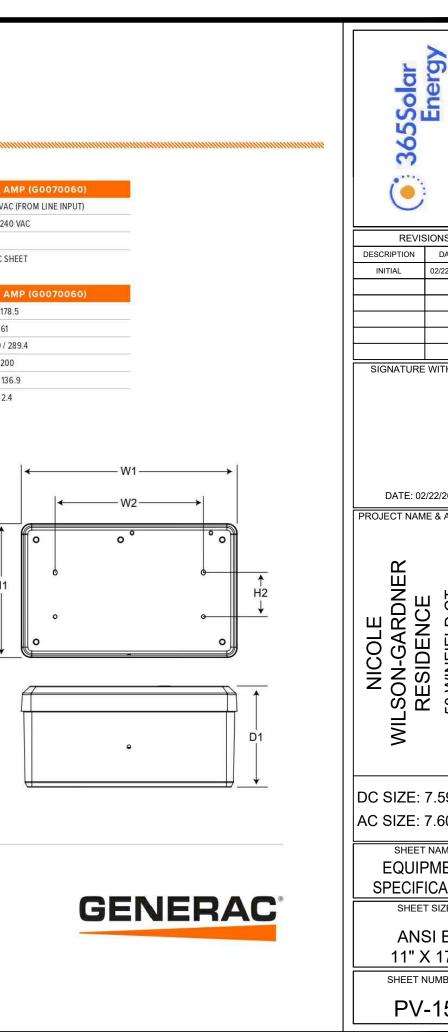
50 AMP (G0070000)	100 AMP (G0070060)
240 VAC (FROM LINE INPUT)	240 VAC (FROM LINE INPUT)
220/240 VAC	220/240 VAC
50	100
	240 VAC (FROM LINE INPUT) 220/240 VAC

DIMENSIONS		50 AMP (G0070000)	100 AMP (G0070060)
UFICUT (IN/MM)	H1	6.17 / 156.8	7.0 / 178.5
HEIGHT (IN/MM)	H2	2.36 / 60	2.4 / 61
WIDTH (IN/MM)	W1	7.06 / 179.4	11.39 / 289.4
	W2	4.72 / 120	7.8 / 200
DEPTH (IN/MM)		3.7 / 94	5.3 / 136.9
WEIGHT (LBS/KG)		2.06/0.94	5.3 / 2.4

W2





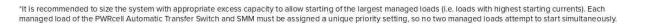


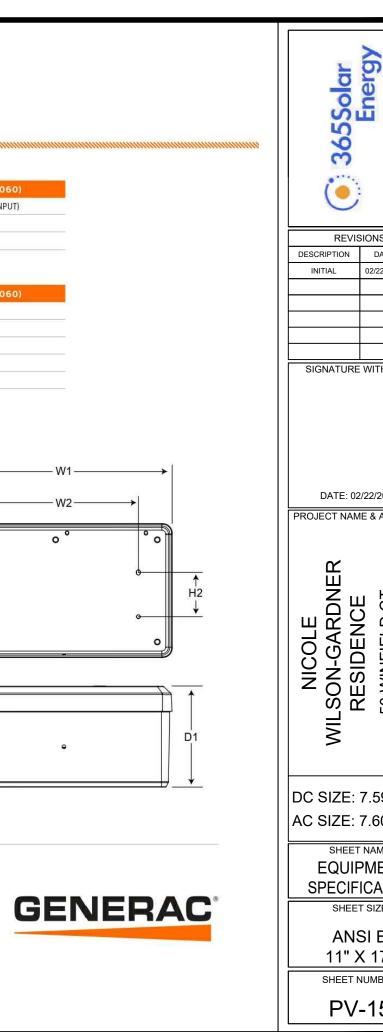
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REV



Flush Mount System



Built for solar's toughest roofs.

IronRidge builds the strongest mounting system for pitched roofs in solar. Our components have been tested to the limit and proven in extreme environments, including Florida's high-velocity hurricane zones.

Our rigorous approach has led to unique structural features, such as curved rails and reinforced flashings, and is also why our products are fully certified, code compliant and backed by a 25-year warranty.



Strength Tested

All components evaluated for superior structural performance.



Class A Fire Rating

Certified to maintain the fire resistance rating of the existing roof.



UL 2703 Listed System

Entire system and components meet newest effective UL 2703 standard.



PE Certified



Pre-stamped engineering letters available in most states.



Design Assistant

Online software makes it simple to create, share, and price projects.



25-Year Warranty Products guaranteed to be free of impairing defects.







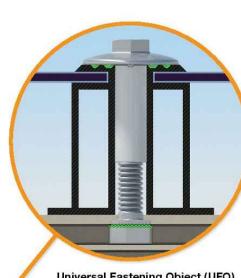
UFO Family of Components

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.





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 Splice

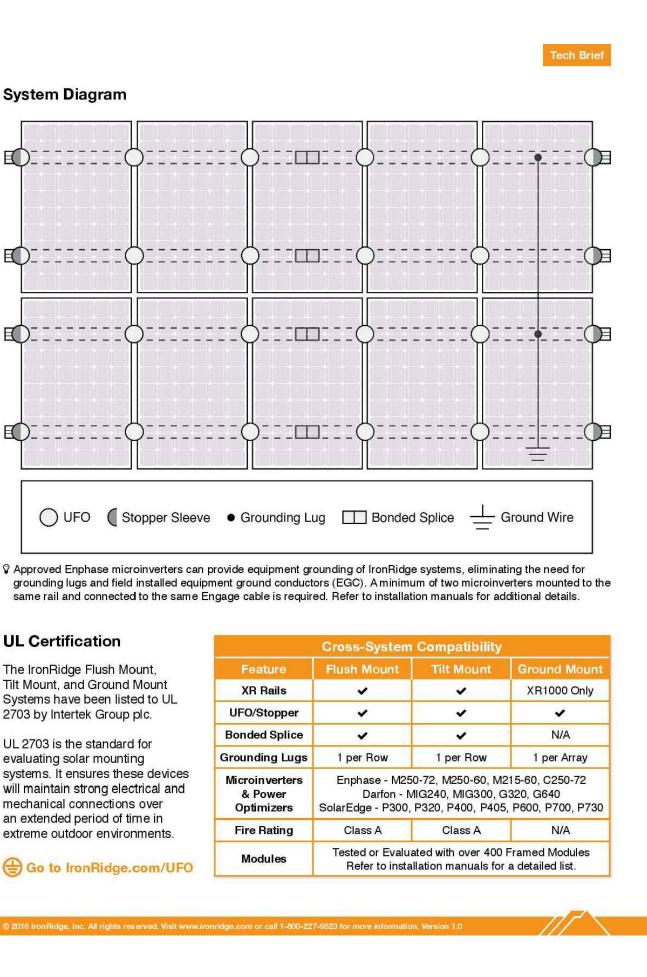
Each Bonded Splice uses self-drilling screws to form a secure connection. No bonding strap needed.



Grounding Lug A single Grounding Lug connects an entire row of PV modules to the arounding conductor.



Bonded Attachments The bonding bolt attaches and bonds the L-foot to the rail. It is installed with the same socket as the rest of the system.



	Cross-System	n Co
Feature	Flush Mount	
XR Rails	~	
UFO/Stopper	~	
Bonded Splice	~	
Grounding Lugs	1 per Row	
Microinverters & Power Optimizers	Enphase - M250-7 Darfon - MIG SolarEdge - P300, P3	
Fire Rating	Class A	
Modules	Tested or Evaluated Refer to installati	

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	11" X 17"					
SPECIFICATION SHEET SIZE		11" X 17"				



Basic Features

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



SolaDeck Model SD 0783

SolaDeck UL50 Type 3R Enclosures

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

SolaDeck UL 1741 Combiner/Enclosures

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

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

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

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

**Typical System Configuration

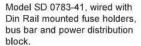
- 4- Din Rail Mounted Fuse Holders 600VDC 30 AMP
- 4- Din Rail Mounted Terminal Blocks
 Bus Bars with UL lug

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



conduit or fittings, base is center dimpled for fitting locations.







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

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

