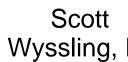


Scott E. Wyssling, PE 76 North Meadowbrook Drive Alpine, UT 84004 office (201) 874-3483

swyssling@wysslingconsulting.com

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



December 17 by 2021 DN: C=US, S=Utah, L=Alpine, O=Wyssling Consulting, OU=Owner, CN="Scott Wyssling, PE", E=swyssling@wysslingconsulting.com Reason: I am the author of this document Location: your signing location here Date: 2021.12.17 12:25:52-07'00' Foxit PDF Editor Version: 11.1.0

Re:

Engineering Services Wilson Residence 86 Donatella Way, Angier, NC 8.030 kW System Size

To Whom it May Concern:

Pursuant to your request, we have reviewed the following information regarding solar panel installation on the roof of the above referenced home:

- 1. Site Visit/Verification Form prepared by a Sigora Solar representative identifying specific site information including size and spacing of rafters for the existing roof structure.
- 2. Photographs of the interior and exterior of the roof system identifying existing structural members and their conditions.

Based on the above information we have evaluated the structural capacity of the existing roof system to support the additional loads imposed by the solar panels and have the following comments related to our review and evaluation:

### Description of Residence:

The existing residence is typical wood framing construction with the roof system consisting of truss system with all chords constructed of 2 x 4 dimensional lumber at 24" on center. The attic space is unfinished and photos indicate that there was free access to visually inspect the size and condition of the roof rafters. All wood material utilized for the roof system is assumed to be Doug-Fir #2 or better with standard construction components. The existing roofing material consists of composite asphalt shingles. Photos of the dwelling also indicate that there is a permanent foundation.

### A. Loading Criteria Used

- 115 MPH wind loading based on ASCE 7-10 Exposure Category "C" at a slope of 25 degrees
- 7 PSF = Dead Load roofing/framing Live Load = 20 PSF Snow Load = 15 PSF
- <u>3 PSF = Dead Load solar panels/mounting hardware</u>

## Total Dead Load =10 PSF

The above values are within acceptable limits of recognized industry standards for similar structures in accordance with the North Carolina Residential Code (2018). Analysis performed of the existing roof structure utilizing the above loading criteria indicates that the existing rafters will support the additional panel loading without damage, if installed correctly.

## B. Solar Panel Anchorage

1. The solar panels shall be mounted in accordance with the most recent "SnapNrack Installation Manual", which can be found on the SnapNrack website (http://snapnrack.com/). 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.

# Page 2 of 2

- 2. Maximum allowable pullout per lag screw is 235 lbs/inch of penetration as identified in the National Design Standards (NDS) of timber construction specifications for Southern Pine assumed. Based on our evaluation, the pullout value, utilizing a penetration depth of 2 1/2", is less than what is allowable per connection and therefore is adequate. Based on the variable factors for the existing roof framing and installation tolerances, using a thread depth of 2 1/2" with a minimum size of 5/16" lag screw per attachment point for panel anchor mounts should be adequate with a sufficient factor of safety.
- Considering the roof slopes, the size, spacing, condition of roof, the panel supports shall be placed 3. no greater than 48" o/c.
- 4. Panel supports connections shall be staggered to distribute load to adjacent trusses.

## C. Solar Panel Layout



Based on the above evaluation, it is the opinion of this office that with appropriate panel anchors being utilized the roof system will adequately support the additional loading imposed by the solar panels. This evaluation is in conformance with the North Carolina Residential Code, current industry and standards, and based on information supplied to us at the time of this report.

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

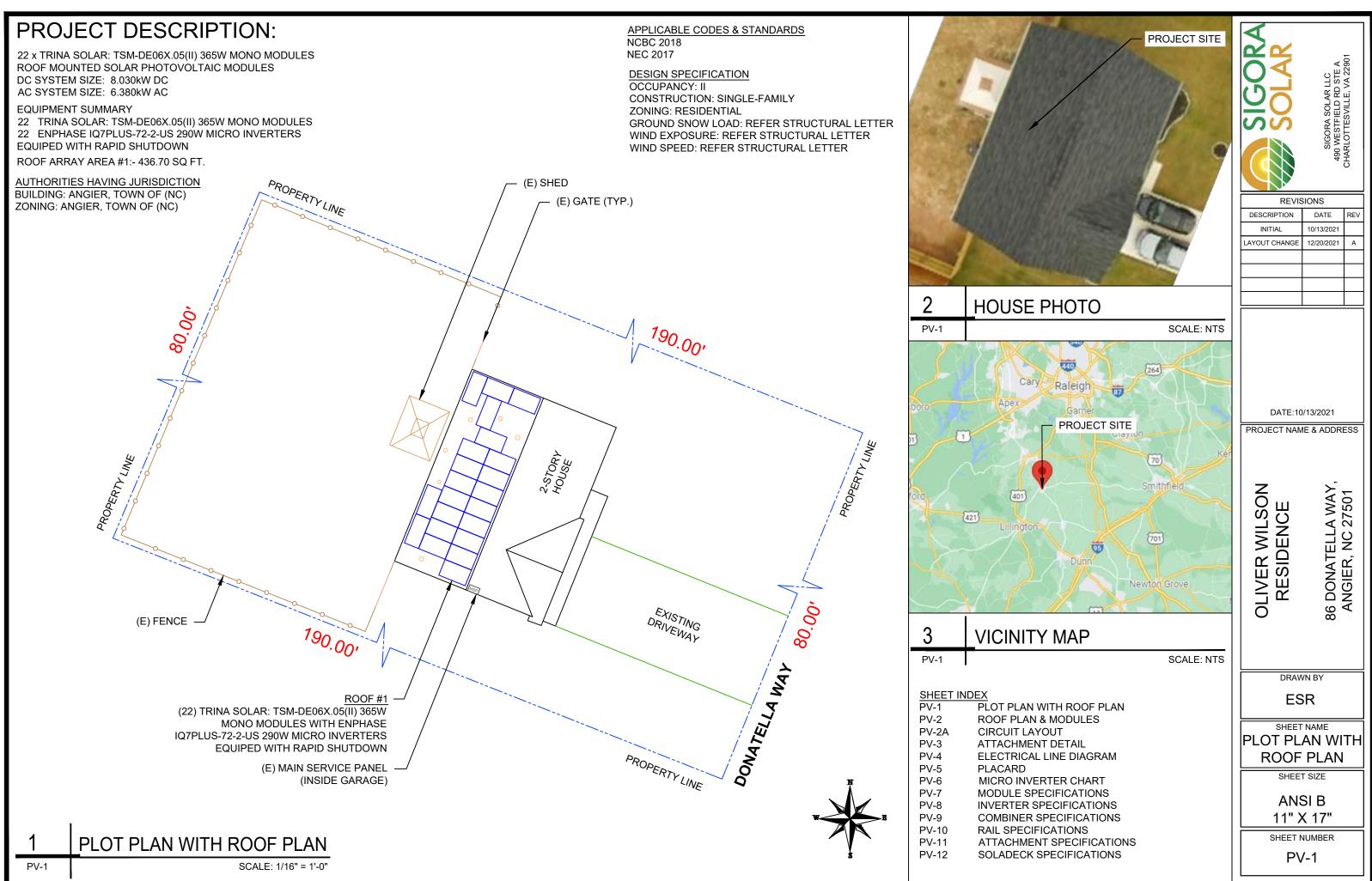
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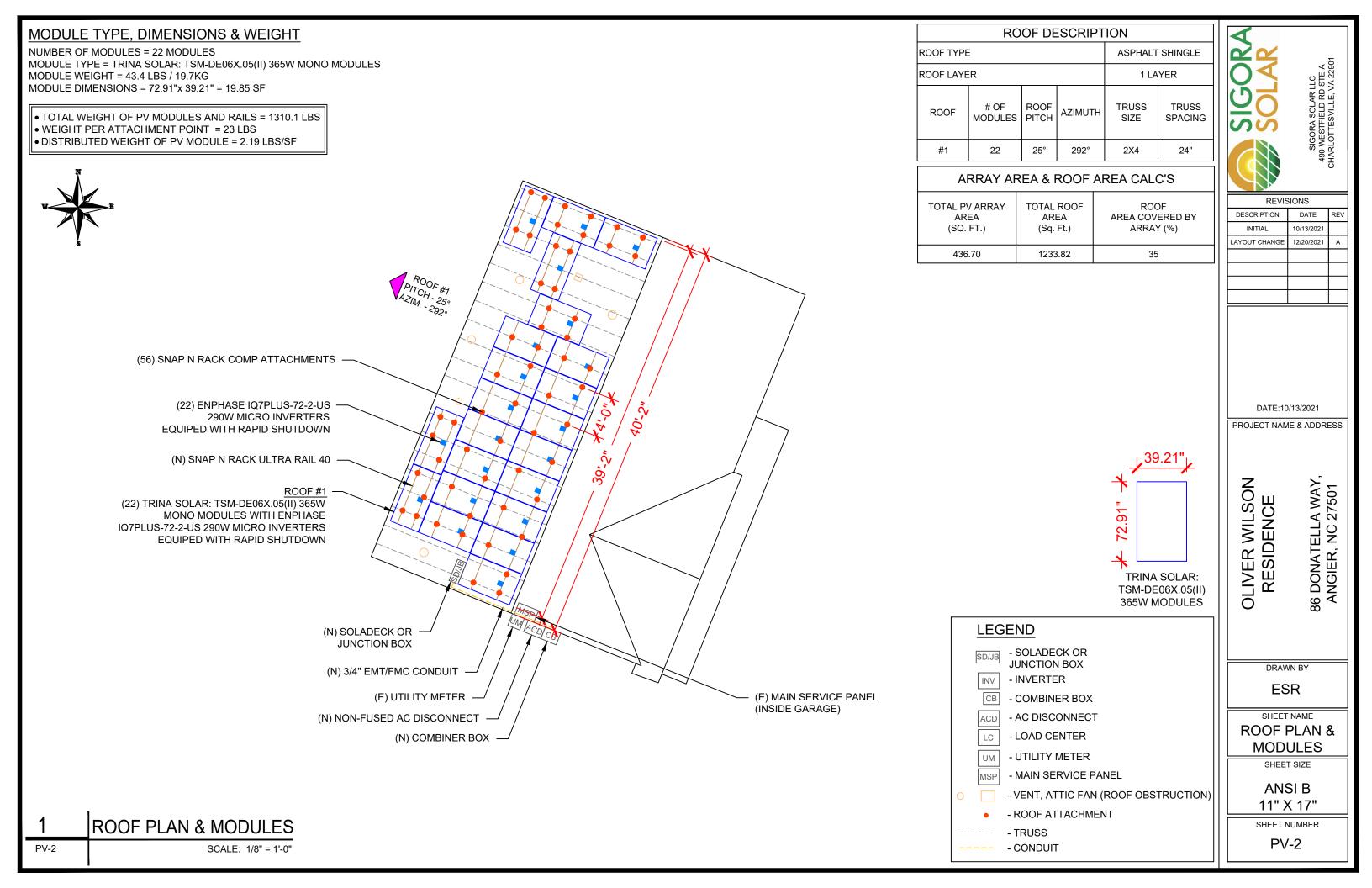
Scott E. Wyssling, PE North Carolina Licence 46546



North Carolina Firm License No. 46546



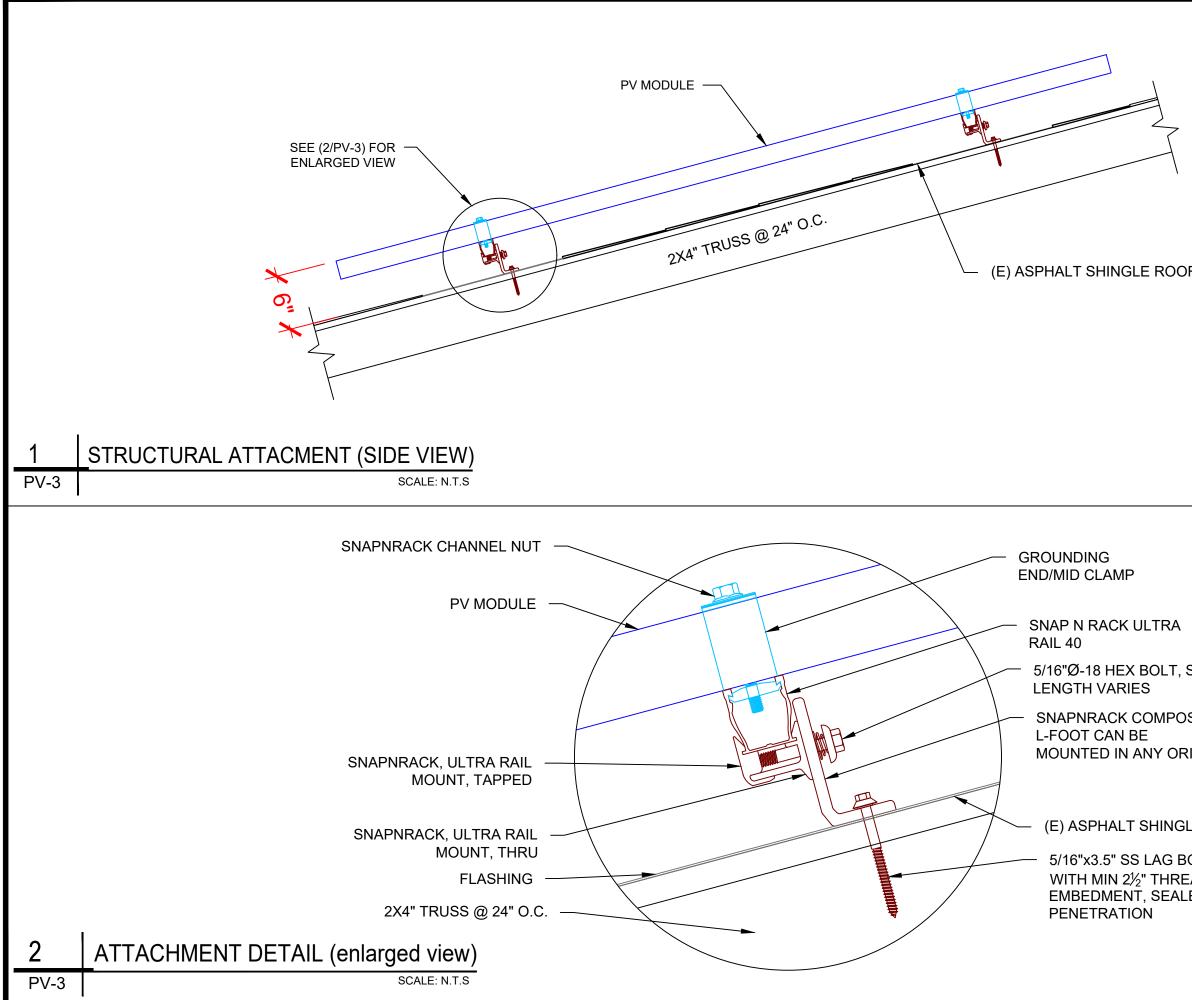




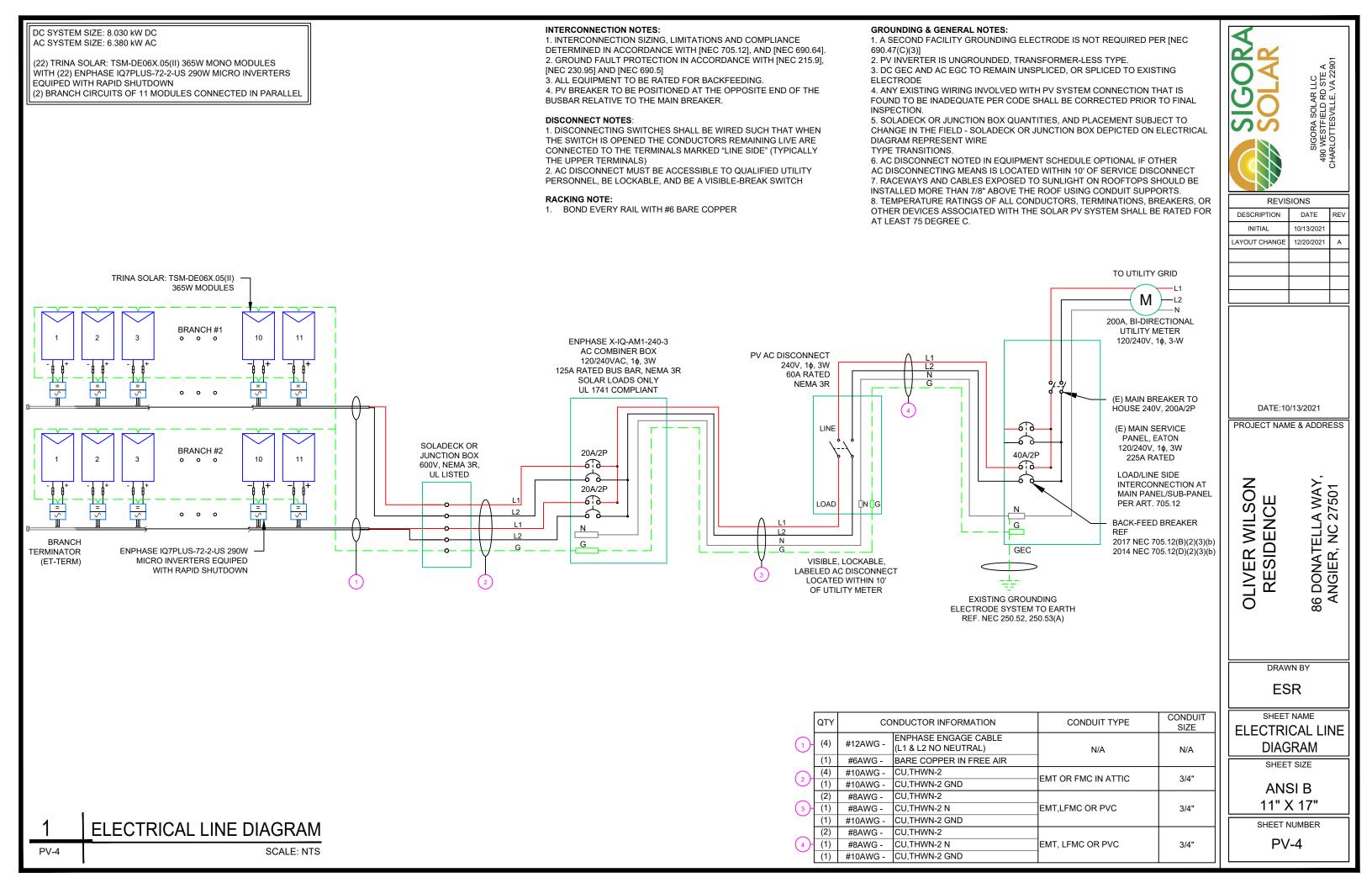


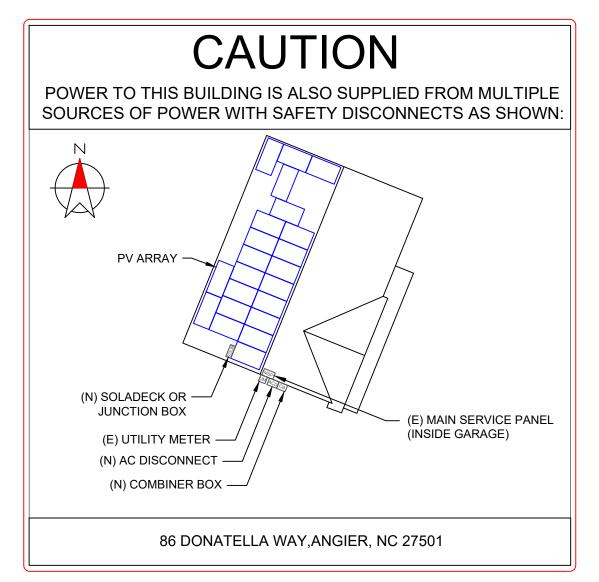
L (	OF MATERIALS
ΓY	DESCRIPTION
2	TRINA SOLAR: TSM-DE06X.05(II) 365W
2	ENPHASE IQ7PLUS-72-2-US 290W MICRO INVERTERS EQUIPED WITH RAPID SHUTDOWN
1	SOLADECK OR JUNCTION BOX
8	MID MODULE CLAMPS
2	END CLAMPS / STOPPER SLEEVE
6	SNAP N RACK COMP
6	LAG BOLT

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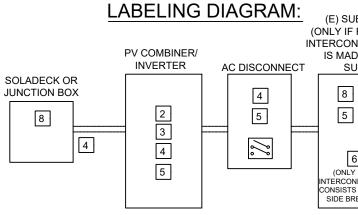




# DIRECTORY

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])



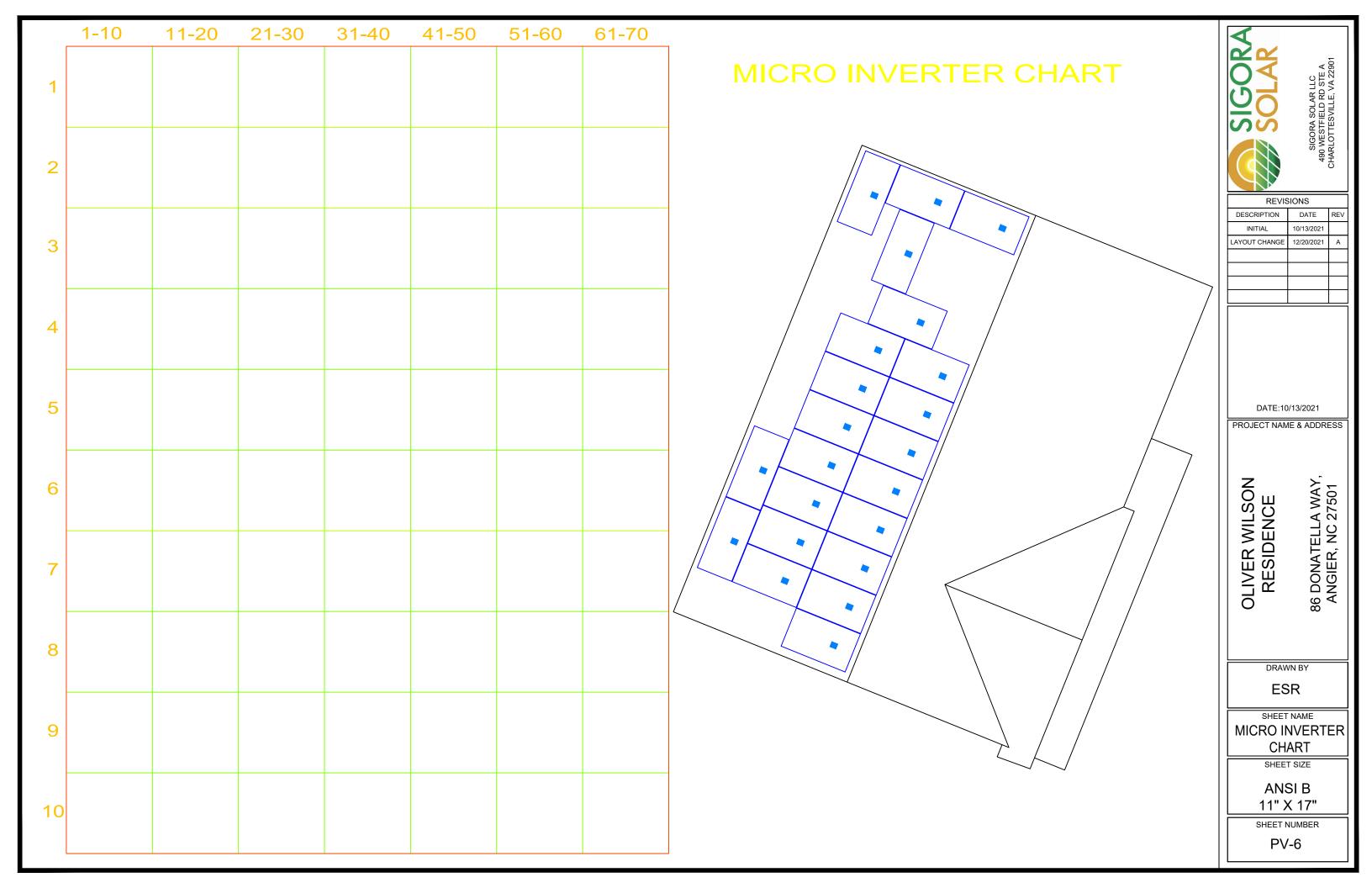
LABELING NOTES:

- 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]

\*\* ELECTRICAL DIAGRAM SHOWN ABOVE IS FOR LABELING PURPOSES ONLY. NOT A OF EQUIPMENT AND CONNECTIONS TO BE INSTALLED. LABEL LOCATIONS PRE ON TYPE OF INTERCONNECTION METHOD AND LOCATION PRESENTED ELECTR

			SIGORA SOLAR	SIGORA SOLAR LLC 490 WESTFIELD RD STE A CHARLOTTESVILLE, VA 22901	
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# THE

# **Residential Module**

PRODUCTS

TSM-DE06X.05(II)

MULTI-BUSBAR MONO PERC MODULE

132-Cell MONOCRYSTALLINE MODULE

355-380W **POWER OUTPUT RANGE** 

20.6% MAXIMUM EFFICIENCY

# 0~+5W **POSITIVE POWER TOLERANCE**

Founded in 1997, Trina Solar is the world's leading total solution provider for solar energy. With local presence around the globe, Trina Solar is able to provide exceptional service to each customer in each market and deliver our innovative, reliable products with the backing of Trina as a strong. bankable brand. Trina Solar now distributes its PV products to over 100 countries all over the world. We are committed to building strategic, mutually beneficial collaborations with installers, developers, distributors and other partners in driving smart energy together.

#### **Comprehensive Products** and System Certificates

IEC61215/IEC61730/IEC61701/IEC62716/UL61730 ISO 9001: Quality Management System ISO14001: Environmental Management System ISO14064: Greenhouse Gases Emissions Verification OHSAS 18001: Occupation Health and Safety Management System







# **High power and High Efficiency**

POWER RANGE

355-380W



# **Outstanding visual appearance**

- Designed with aesthetics in mind
- High standard Production, Excellent cell color control by dedicated cell blackening treatment and machine selection
- Thinner wires that appear all black at a distance

### **High reliability**

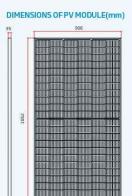
- Ensured PID resistance through cell process and module material control • Resistant to salt, acid and ammonia
- Mechanical performance: Up to 5400 Pa positive load and 2400 Pa negative load

### Certified to withstand the most chanllenging environmental conditions

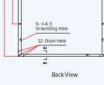
- Excellent IAM and low light performance validated by 3rd party with cell process and module material optimization
- Lower temp co-efficient (-0.34%) and NOCT bring more energy leading to lower LCOE
- Better anti-shading performance and lower operating temperature

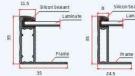


# **Residential** Module





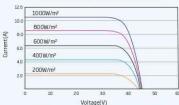




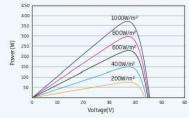
#### I-V CURVES OF PV MODULE(370W)

B-B

A-A



### P-V CURVES OF PV MODULE(370W)





# MULTI-BUSBAR MONO PERC MODULE

Peak Power Watts-PMAX (Wp)*	355	360	365	370	375	380
Power Output Tolerance-P <sub>MAX</sub> (W)			0~	+5		
Maximum Power Voltage-V <sub>MPP</sub> (V)	36.8	37.0	37.2	37.4	37.6	37.8
Maximum Power Current-Imp (A)	9.66	9.74	9.82	9.90	9.98	10.07
Open Circuit Voltage-V₀∈ (V)	44.6	44.8	45.0	45.2	45.3	45.5
Short Circuit Current-Isc (A)	10.24	10.30	10.35	10.40	10.45	10.51
Module Efficiency n (%)	19.2	19.5	19.8	20.1	20.3	20.6

## ELECTRICAL DATA (NOCT)

Maximum Power-PMAX (Wp)	268	272	276	279	283	287
Maximum Power Voltage-V <sub>MPP</sub> (V)	34.4	34.7	34.9	35.1	35.3	35.6
Maximum Power Current-I MPP (A)	7.80	7.85	7.90	7.96	8.01	8.06
Open Circuit Voltage-V∝ (V)	42.0	42.2	42.4	42.6	42.6	42.8
Short Circuit Current-Isc (A)	8.25	8.30	8.34	8.38	8.42	8.47

#### MECHANICAL DATA

Solar Cells	Monocrystalline
Cell Orientation	132 cells
Module Dimensions	1852 × 996 × 35 mm
Weight	19.7 kg (43.4 lb)
Glass	3.2 mm (0.13 inches),
Encapsulant Material	EVA
Backsheet	Black-White
Frame	35 mm (inches) Anod
J-Box	IP 68 rated
Cables	Photovoltaic Technol Portrait: N 280mm/P Landscape: N 1400 m
Connector	MC4 EV02
Fire Type	Type 2

TEMP	PERATL	<b>JRE RA</b>	TINGS

NOCT (Nominal Operating Cell Temperature)	43°C(±2°C)
Temperature Coefficient of PMAX	- 0.34%/°C
Temperature Coefficient of Voc	- 0.25%/°C
Temperature Coefficient of Isc	0.04%/°C

#### WARRANTY

- 25 year Product Workmanship Warranty
- 25 year Linear Power Warranty
- (Please refer to product warranty for details

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT. © 2020 Trina Solar Limited. All rights reserved. Specifications included in this datasheet are subject to change without notice. Version number: TSM\_DE06X.05(II)\_NA\_2020\_PA3 www.trinasolar.com

(72.91×39.21×1.38 inches)

, High Transmission, AR Coated Heat Strengthened Glass

dized Aluminium Alloy

logy Cable 4.0mm<sup>2</sup> (0.006 inches<sup>2</sup>), 280mm(11.02/11.02inches) nm /P 1400 mm (55.12/55.12 inches)

#### MAXIMUM RATINGS

**Operational Temperature** Maximum System Voltage Max Series Fuse Rating

-40~+85°C 1500V DC (IEC) 20A

#### PACKAGING CONFIGURATION

- Modules per box: 31 pieces
- Modules per 40' container: 744 pieces

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Data Sheet Enphase Microinverters Region: AMERICAS

# Enphase IQ 7 and IQ 7+ Microinverters

The high-powered smart grid-ready Enphase IQ 7 Micro<sup>™</sup> and Enphase IQ 7+ Micro<sup>™</sup> dramatically simplify the installation process while achieving the highest system efficiency.

Part of the Enphase IQ System, the IQ 7 and IQ 7+ Microinverters integrate with the Enphase IQ Envoy<sup>™</sup>, Enphase IQ Battery<sup>™</sup>, and the Enphase Enlighten<sup>™</sup> monitoring and analysis software.

IQ Series Microinverters extend the reliability standards set forth by previous generations and undergo over a million hours of power-on testing, enabling Enphase to provide an industry-leading warranty of up to 25 years.

#### Easy to Install

- Lightweight and simple
- Faster installation with improved, lighter two-wire cabling
- Built-in rapid shutdown compliant (NEC 2014 & 2017)

#### Productive and Reliable

- Optimized for high powered 60-cell and 72-cell\* modules
- More than a million hours of testing
- Class II double-insulated enclosure
- UL listed

#### Smart Grid Ready

- Complies with advanced grid support, voltage and frequency ride-through requirements
- Remotely updates to respond to changing grid requirements
- Configurable for varying grid profiles
- Meets CA Rule 21 (UL 1741-SA)

\* The IQ 7+ Micro is required to support 72-cell modules.



# Enphase IQ 7 and IQ 7+ Microinverters

INPUT DATA (DC)	IQ7-60-2-US		IQ7PLUS-72-2
Commonly used module pairings <sup>1</sup>	235 W - 350 W +		235 W - 440 W -
Module compatibility	60-cell PV modules only		60-cell and 72-
Maximum input DC voltage	48 V		60 V
Peak power tracking voltage	27 V - 37 V		27 V - 45 V
Operating range	16 V - 48 V		16 V - 60 V
Min/Max start voltage	22 V / 48 V		22 V / 60 V
Max DC short circuit current (module Isc)	15 A		15 A
Overvoltage class DC port	11		П
DC port backfeed current	0 A		0 A
PV array configuration		led array; No additio tion requires max 20	
OUTPUT DATA (AC)	IQ 7 Microinv	verter	IQ 7+ Microin
Peak output power	250 VA		295 VA
Maximum continuous output power	240 VA		290 VA
Nominal (L-L) voltage/range <sup>2</sup>	240 V / 211-264 V	208 V / 183-229 V	240 V / 211-264 V
Maximum continuous output current	1.0 A (240 V)	1.15 A (208 V)	1.21 A (240 V)
Nominal frequency	60 Hz		60 Hz
Extended frequency range	47 - 68 Hz		47 - 68 Hz
AC short circuit fault current over 3 cycles	5.8 Arms		5.8 Arms
Maximum units per 20 A (L-L) branch circuit <sup>3</sup>	16 (240 VAC)	13 (208 VAC)	13 (240 VAC)
Overvoltage class AC port	Ш		
AC port backfeed current	0 A		0 A
Power factor setting	1.0		1.0
Power factor (adjustable)	0.85 leading	0.85 lagging	0.85 leading (
EFFICIENCY	@240 V	@208 V	@240 V
Peak efficiency	97.6 %	97.6 %	97.5 %
CEC weighted efficiency	97.0 %	97.0 %	97.0 %
MECHANICAL DATA			
Ambient temperature range	-40°C to +65°C	0	
Relative humidity range	4% to 100% (co	ondensing)	
Connector type (IQ7-60-2-US & IQ7PLUS-72-2-US)	MC4 (or Amph	enol H4 UTX with ac	Iditional Q-DCC-5
Dimensions (WxHxD)	212 mm x 175	mm x 30.2 mm (with	out bracket)
Weight	1.08 kg (2.38 lt	os)	
Cooling	Natural convec	tion - No fans	
Approved for wet locations	Yes		
Pollution degree	PD3		
Enclosure		-insulated, corrosio	n resistant polyme
Environmental category / UV exposure rating	NEMA Type 6 /		
FEATURES		x	
Communication	Power Line Co	mmunication (PLC)	
Monitoring		ager and MyEnlighte	n monitoring optic
memoring		equire installation of	
Disconnecting means	The AC and DC	connectors have be uired by NEC 690.	
Compliance	CAN/CSA-C22 This product is NEC-2017 sect	. 1741-SA) .1741/IEEE1547, FCC .2 NO. 107.1-01 s UL Listed as PV Ra tion 690.12 and C22. ctors, when installed	pid Shut Down Equ 1-2015 Rule 64-21

No enforced DC/AC ratio. See the compatibility calculator at <u>https://enphase.com/en-us/support/module-compa</u>
 Nominal voltage range can be extended beyond nominal if required by the utility.
 Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.

#### To learn more about Enphase offerings, visit enphase.com

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To learn more about Enphase offerings, visit enphase.com

CERTIFIED SAFETY US-CA E341165

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Envoy. nd approved by UL for use as the load-break
3, ICES-0003 Class B,
Equipment and conforms with NEC-2014 and 218 Rapid Shutdown of PV Systems, for AC Jufacturer's instructions.
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SHEET NAME INVERTER SPECIFICATION SHEET SIZE		
ANSI B 11" X 17"		
SHEET NUMBER		

Data Sheet Enphase Networking

# Enphase **IQ Combiner 3**

(X-IQ-AM1-240-3)

The Enphase IQ Combiner 3<sup>™</sup> with Enphase IQ Envoy<sup>™</sup> consolidates interconnection equipment into a single enclosure and streamlines PV and storage installations by providing a consistent, pre-wired solution for residential applications. It offers up to four 2-pole input circuits and Eaton BR series busbar assembly.





#### Smart

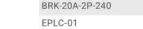
- Includes IQ Envoy for communication and control
- Flexible networking supports Wi-Fi, Ethernet, or cellular
- Optional AC receptacle available for PLC bridge
- Provides production metering and optional consumption monitoring

#### Simple

- Reduced size from previous combiner
- · Centered mounting brackets support single stud mounting
- · Supports back and side conduit entry
- · Up to four 2-pole branch circuits for 240 VAC plug-in breakers (not included)
- · 80 A total PV or storage branch circuits

#### Reliable

- · Durable NRTL-certified NEMA type 3R enclosure
- Five-year warranty
- UL listed



BRK-15A-2-240

CT-200-SPLIT

Circuit Breakers BRK-10A-2-240

MODEL NUMBER

XA-PLUG-120-3 XA-ENV-PCBA-3

# ELECTRICAL SPECIFICATIONS

**Enphase IQ Combiner 3** 

CELLMODEM-03 (4G / 12-year data plan)

CELLMODEM-01 (3G / 5-year data plan)

IQ Combiner 3 X-IQ-AM1-240-3

Enphase Mobile Connect™

Consumption Monitoring\* CT

Rating	Continuous duty
System voltage	120/240 VAC, 60 Hz
Eaton BR series busbar rating	125 A
Max. continuous current rating (output to grid)	65 A
Max. fuse/circuit rating (output)	90 A
Branch circuits (solar and/or storage)	Up to four 2-pole Eaton BR series Distri
Max. continuous current rating (input from PV)	64 A
Max. total branch circuit breaker rating (input)	80A of distributed generation / 90A wit
Production Metering CT	200 A solid core pre-installed and wire

ACCESSORIES and REPLACEMENT PARTS (not included, order separately)

Dimensions (WxHxD) 7.5 kg (16.5 lbs) Weight Ambient temperature range -40° C to +46° C (-40° to 115° F) Cooling Natural convection, plus heat shield Enclosure environmental rating Wire sizes

	<ul> <li>60 A breaker branch input: 4 to 1/0 AWG cop</li> <li>Main lug combined output: 10 to 2/0 AWG co</li> <li>Neutral and ground: 14 to 1/0 copper conduct</li> <li>Always follow local code requirements for conduct</li> </ul>
Altitude	To 2000 meters (6,560 feet)
INTERNET CONNECTION OPTION	15
Integrated Wi-Fi	802.11b/g/n
Ethernet	Optional, 802.3, Cat5E (or Cat 6) UTP Ethernet of
Cellular	Optional, CELLMODEM-01 (3G) or CELLMODEN (not included)
COMPLIANCE	
Compliance, Combiner	UL 1741 CAN/CSA C22.2 No. 107.1 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI C12.20 accuracy cla
Compliance, IQ Envoy	UL 60601-1/CANCSA 22.2 No. 61010-1

\* Consumption monitoring is required for Enphase Storage Systems.

#### To learn more about Enphase offerings, visit enphase.com

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IQ Combiner 3 with Enphase IQ Envoy™ printed circuit board for integrated revenue grade PV production metering (ANSI C12.20 +/- 0.5%) and optional\* consumption monitoring (+/- 2.5%).

Plug and play industrial grade cellular modem with data plan for systems up to 60 microinverters. (Available in the US, Canada, Mexico, Puerto Rico, and the US Virgin Islands, CELLMODEM-M1 (4G based LTE-M / 5-year data plan) where there is adequate cellular service in the installation area.)

> Split core current transformers enable whole home consumption metering (+/- 2.5%). Supports Eaton BR210, BR215, BR220, BR230, BR240, BR250, and BR260 circuit breakers.

Power line carrier (communication bridge pair), quantity 2

Circuit breaker, 2 pole, 10A, Eaton BR210

Circuit breaker, 2 pole, 15A, Eaton BR215

Circuit breaker, 2 pole, 20A, Eaton BR220

Accessory receptacle for Power Line Carrier in IQ Combiner 3 (required for EPLC-01) Replacement IQ Envoy printed circuit board (PCB) for Combiner 3

ributed Generation (DG) breakers only (not included)

ith IQ Envoy breaker included

ed to IQ Envoy

49.5 x 37.5 x 16.8 cm (19.5" x 14.75" x 6.63"). Height is 21.06" (53.5 cm with mounting brackets).

Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction

· 20 A to 50 A breaker inputs: 14 to 4 AWG copper conductors oper conductors copper conductors ictors

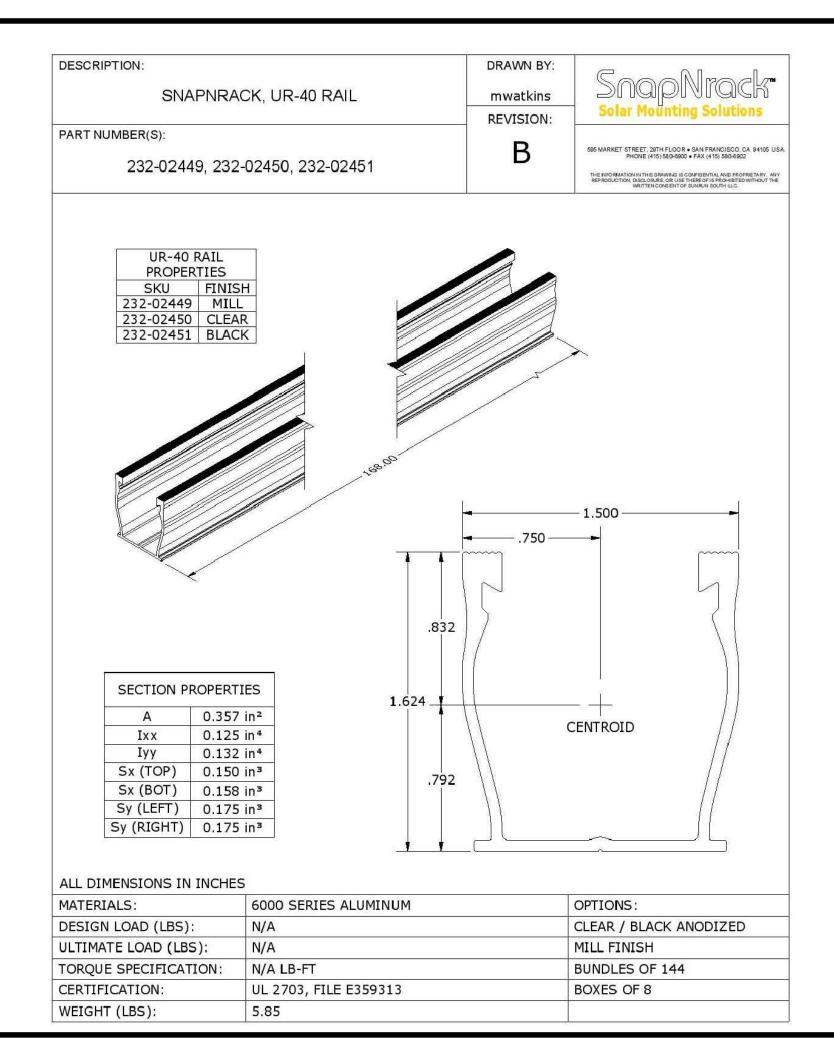
nductor sizing.

cable (not included) M-03 (4G) or CELLMODEM-M1 (4G based LTE-M)

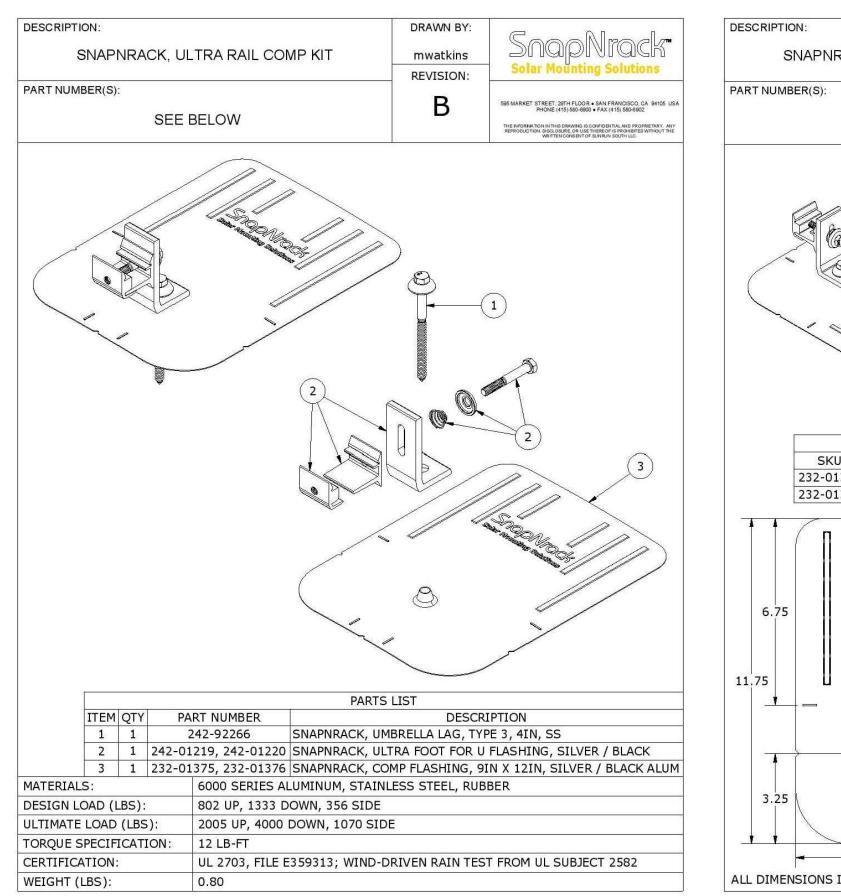
ass 0.5 (PV production)

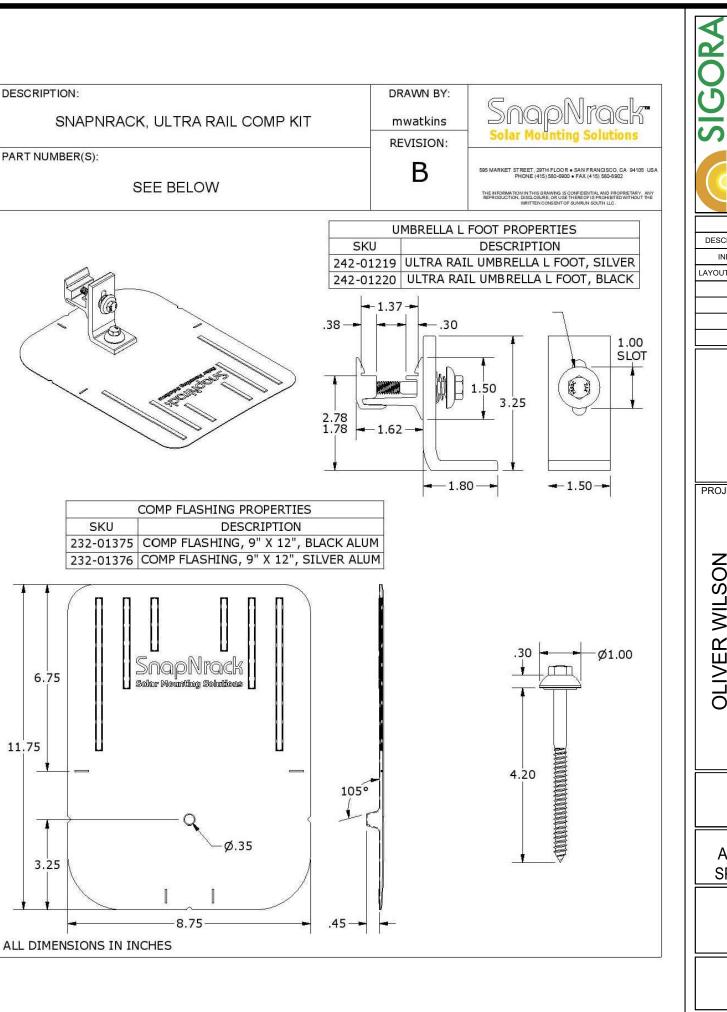
ENPHASE.

A SOLAR LLC FIELD RD STE A SVILLE, VA 22901 SIGORA ( 490 WESTFII CHARLOTTES REVISIONS DESCRIPTION DATE REV 10/13/2021 INITIAL LAYOUT CHANGE 12/20/2021 DATE:10/13/2021 PROJECT NAME & ADDRESS **OLIVER WILSON** 86 DONATELLA WAY ANGIER, NC 27501 RESIDENCE DRAWN BY ESR SHEET NAME COMBINER **SPECIFICATION** SHEET SIZE ANSI B 11" X 17" SHEET NUMBER PV-9



DESCRIPTION DATE REV INITIAL 10/13/2021 LAYOUT CHANGE 12/20/2021 A DATE:10/13/2021 DATE:10/13/2021 PROJECT NAME & ADDRESS NOCICE NAME & ADDRESS NOCICE NAME & ADDRESS NOCICE NAME & ADDRESS DRAWN BY	SOLAR LICC 400 WESTFIELD RD STE A CHARLOTTESVILLE, VA 22001		
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DATE: 10/13/2021		10/13/2021	
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	N		
SHEET NAME RAIL SPECIFICATION SHEET SIZE	ANSI B 11" X 17"		
RAIL SPECIFICATION SHEET SIZE ANSI B 11" X 17"	SHEET NUMBER PV-10		





SOLAR SOLAR 490 WESTFIELD RD STE A CHARLOTTESVILLE, VA 22901		CHARLOTTESVILLE, VA 22901
REVIS	SIONS	
DESCRIPTION	DATE	REV
INITIAL	10/13/2021	
LAYOUT CHANGE	12/20/2021	А
DATE:10/13/2021 PROJECT NAME & ADDRESS OPINATELLA WAY, B6 DONATELLA WAY, ANGIER, NC 27501 B8 DONATELLA WAY		
ESR		
SHEET NAME ATTACHMENT SPECIFICATION SHEET SIZE ANSI B		
11" X 17" SHEET NUMBER PV-11		



### **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

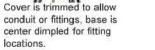
Model SD 0786-41 6" Slotted Din Rail fastened using steel studs

- \*\*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.



locations.





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



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

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

REVIS DESCRIPTION INITIAL LAYOUT CHANGE	SIGORA SOLAR LLC SIGORA SOLAR LLC 400 WESTFIELD RD STE A 10/13/5051	CHARLOTTESVILLE, VA 22901	
OLIVER WILSON BESIDENCE 86 DONATELLA WAY, ANGIER, NC 27501			
DRAWN BY ESR			
SHEET NAME SOLADECK SPECIFICATION SHEET SIZE ANSI B			
<u>11" Х 17"</u> SHEET NUMBER PV-12			