

***EXPEDITED***  
**MONTGOMERY COUNTY HISTORIC PRESERVATION COMMISSION**  
**STAFF REPORT**

<b>Address:</b>	1 Montgomery Ave., Takoma Park	<b>Meeting Date:</b>	1/27/2021
<b>Resource:</b>	Non-Contributing Resource <b>Takoma Park Historic District</b>	<b>Report Date:</b>	1/20/2021
<b>Applicant:</b>	Scott Wallston	<b>Public Notice:</b>	1/13/2021
<b>Review:</b>	HAWP	<b>Tax Credit:</b>	n/a
<b>Permit No.:</b>	937640	<b>Staff:</b>	Dan Bruechert
<b>Proposal:</b>	Solar Panel Installation		

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**STAFF RECOMMENDATION**

- ☒ Approve  
☐ Approve with conditions

**ARCHITECTURAL DESCRIPTION**

**SIGNIFICANCE:** Non-Contributing Resource to the Takoma Park Historic District  
**STYLE:** Craftsman/Eclectic  
**DATE:** 1983



*Figure 1: 1 Montgomery Ave. is at the intersection of Montgomery Ave. and Pine Ave.*



## **PROPOSAL**

The applicant proposes to install 17 (seventeen) solar panels in three arrays. The three arrays are all on the south elevation, which is minimally visible from the right-of-way. The proposal will not change the massing of the non-contributing resource and, based on the *Design Guidelines*, should be approved as a matter of course.



*Figure 1: Partial view of 1 Montgomery Ave. from the south.*

## **APPLICABLE GUIDELINES**

### **Policy On Use of Expedited Staff Reports for Simple HAWP Cases**

IV. The Expedited Staff Report format may be used on the following type of cases:

2. Modifications to a property, which do not significantly alter its visual character.

**Historic Preservation Commission Policy No. 20-01: ADDRESSING EMERGENCY CLIMATE MOBILIZATION THROUGH THE INSTALLATION OF ROOF-MOUNTED SOLAR PANELS**

## Montgomery County Code; Chapter 24A-8

- (b) The commission shall instruct the director to issue a permit, or issue a permit subject to such conditions as are found to be necessary to ensure conformity with the purposes and requirements of this chapter, if it finds that:
  - (1) The proposal will not substantially alter the exterior features of an historic site or historic resource within an historic district; or
  - (2) The proposal is compatible in character and nature with the historical, archeological, architectural or cultural features of the historic site or the historic district in which an historic resource is located and would not be detrimental thereto or to the achievement of the purposes of this chapter; or
- (d) In the case of an application for work on an historic resource located within an historic district, the commission shall be lenient in its judgment of plans for structures of little historical or design significance or for plans involving new construction, unless such plans would seriously impair the historic or architectural value of surrounding historic resources or would impair the character of the historic district. (*Ord. No. 9-4, § 1; Ord. No. 11-59.*)

### *Secretary of Interior's Standards for Rehabilitation*

The Secretary of the Interior defines rehabilitation as “the act or process of making possible a compatible use for a property through repair, alterations, and additions while preserving those portions or features, which convey its historical, cultural, or architectural values.” The relevant *Standards* are as follows:

- 2. The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.
- 9. New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work shall be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportions, and massing to protect the integrity of the property and its environment.
- 10. New additions and adjacent or related new construction will be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

### **STAFF RECOMMENDATION**

Staff recommends that the Commission **approve** the HAWP application under the Criteria for Issuance in Chapter 24A-8(b)(1) (2), and (d), having found that the proposal will not substantially alter the exterior features of the historic resource and is compatible in character with the district and the purposes of Chapter 24A; the Historic Preservation Commission Policy No. 20-01: ADDRESSING EMERGENCY CLIMATE MOBILIZATION THROUGH THE INSTALLATION OF ROOF-MOUNTED SOLAR PANELS;

and with the *Secretary of the Interior's Standards for Rehabilitation* #2, 9, and 10;

and with the general condition that the applicant shall present the **3 permit sets of drawings, if applicable, to Historic Preservation Commission (HPC) staff for review and stamping** prior to submission for the Montgomery County Department of Permitting Services (DPS) building permits;

and with the general condition that final project design details, not specifically delineated by the Commission, shall be approved by HPC staff or brought back to the Commission as a revised HAWP

application at staff's discretion;

and with the general condition that the applicant shall notify the Historic Preservation Staff if they propose to make **any alterations** to the approved plans. Once the work is completed the applicant will contact the staff person assigned to this application at 301-563-3400 or [dan.bruechert@montgomeryplanning.org](mailto:dan.bruechert@montgomeryplanning.org) to schedule a follow-up site visit.



FOR STAFF ONLY:  
HAWP# 937640  
DATE ASSIGNED \_\_\_\_\_

# APPLICATION FOR HISTORIC AREA WORK PERMIT

HISTORIC PRESERVATION COMMISSION  
301.563.3400

## APPLICANT:

Name: SCOTT WALLSTON

E-mail: SCOTT.WALLSTEN@GMAIL.COM

Address: 1 MONTGOMERY AVE

City: TAKOMA PARK Zip: 20912

Daytime Phone: 202-730-9441

Tax Account No.: 01074530

## AGENT/CONTACT (if applicable):

Name: AARON WILLIAMS

E-mail: AWILLIAMS@FUSIONSS.NET

Address: 3600 COMMERCE DR #601

City: BALTIMORE Zip: 21227

Daytime Phone: 443-425-5988

Contractor Registration No.: MHIC 30991

**LOCATION OF BUILDING/PREMISE:** MIHP # of Historic Property TAKOMA PARK

Is the Property Located within an Historic District? ☒ Yes/District Name TAKOMA PARK  
☐ No/Individual Site Name \_\_\_\_\_

Is there an Historic Preservation/Land Trust/Environmental Easement on the Property? If YES, include a map of the easement, and documentation from the Easement Holder supporting this application.

Are other Planning and/or Hearing Examiner Approvals /Reviews Required as part of this Application? (Conditional Use, Variance, Record Plat, etc.?) If YES, include information on these reviews as supplemental information.

Building Number: \_\_\_\_\_ Street: \_\_\_\_\_

Town/City: \_\_\_\_\_ Nearest Cross Street: \_\_\_\_\_

Lot: \_\_\_\_\_ Block: \_\_\_\_\_ Subdivision: \_\_\_\_\_ Parcel: \_\_\_\_\_

**TYPE OF WORK PROPOSED: See the checklist on Page 4 to verify that all supporting items for proposed work are submitted with this application. Incomplete Applications will not be accepted for review. Check all that apply:**

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> New Construction   | <input type="checkbox"/> Deck/Porch          | <input type="checkbox"/> Shed/Garage/Accessory Structure |
| <input type="checkbox"/> Addition           | <input type="checkbox"/> Fence               | <input checked="" type="checkbox"/> Solar                |
| <input type="checkbox"/> Demolition         | <input type="checkbox"/> Hardscape/Landscape | <input type="checkbox"/> Tree removal/planting           |
| <input type="checkbox"/> Grading/Excavation | <input type="checkbox"/> Roof                | <input type="checkbox"/> Window/Door                     |
|   |  | <input type="checkbox"/> Other: _____                    |

I hereby certify that I have the authority to make the foregoing application, that the application is correct and accurate and that the construction will comply with plans reviewed and approved by all necessary agencies and hereby acknowledge and accept this to be a condition for the issuance of this permit.

Aaron Williams

12/30/2020

Signature of owner or authorized agent

Date

**HAWP APPLICATION: MAILING ADDRESSES FOR NOTIFYING**  
[Owner, Owner's Agent, Adjacent and Confronting Property Owners]

<b>Owner's mailing address</b> 1 MONTGOMERY AVE TAKOMA, PARK, MD 20912	<b>Owner's Agent's mailing address</b> 3600 COMMERCE DR #601 BALTIMORE, MD 21227
<b>Adjacent and confronting Property Owners mailing addresses</b>	
LEAH CURRY 5 MONTGOMERY AVE TAKOMA PARK, MD 20912	<del>10 MONTGOMERY AVE</del> <del>TAKOMA PARK, MD 20912</del> JEN SERMONETA 19 PINE AVE TAKOMA PARK, MD 20912
<del>ELLIOTT ANDALMAN</del> <del>XXXXXX</del> 6 MONTGOMERY AVE TAKOMA PARK, MD 20912	HUGH MORALES 10 PINE AVE TAKOMA PARK, MD 20912

**Description of Property:** Please describe the building and surrounding environment. Include information on significant structures, landscape features, or other significant features of the property:

HOME IS IN EXCELLENT CONDITION AND TREES WILL AID IN CONCEALING PORPOSED SOLAR PANELS

**Description of Work Proposed:** Please give an overview of the work to be undertaken:

INSTALLATION OF 17 ROOF MOUNTED SOLAR PANELS. ALL PANELS WILL BE REAR ROOF SURFACES AND NOT VISIBLE TO NEIGHBORING HOMES

Work Item 1: _____	
Description of Current Condition: SFD IN EXCELLENT CONDITION	Proposed Work: INSTALLING 17 ROOF MOUNTED SOLAR PANELS
Work Item 2: _____	
Description of Current Condition:	Proposed Work:
Work Item 3: _____	
Description of Current Condition:	Proposed Work:



SOLAR PV SYSTEM: 6.12 kWp

WALLSTEN RESIDENCE

1 MONTGOMERY AVENUE TAKOMA PARK,  
MD UNITED STATES 20912

PROJECT INFORMATION

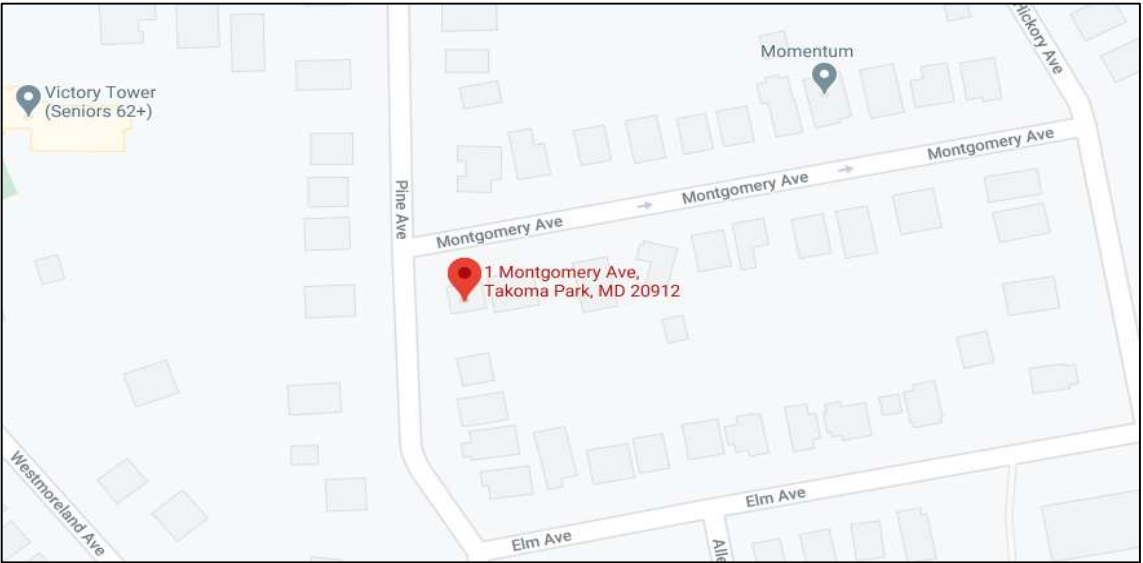
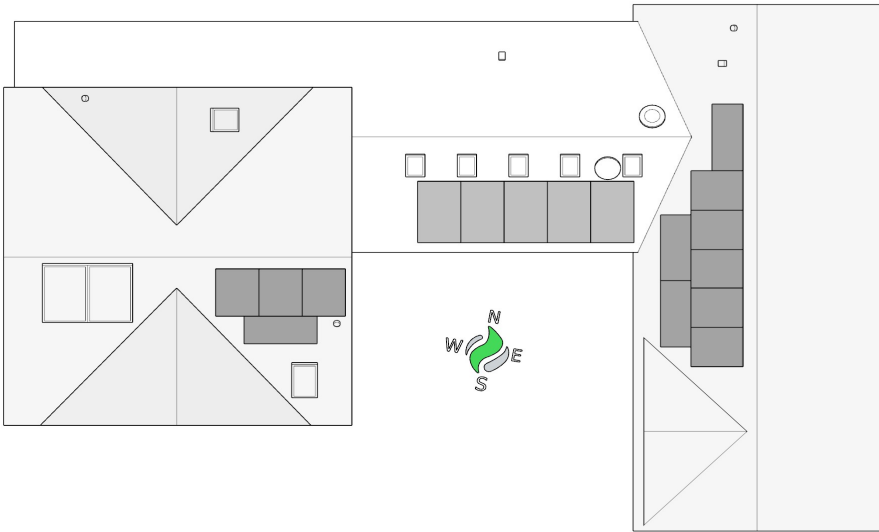
OWNER: SCOTT WALLSTEN  
ADDRESS: 1 MONTGOMERY AVENUE  
TAKOMA PARK, MD UNITED  
STATES 20912

AHJ: MONTGOMERY  
ADDRESS: 255 ROCKVILLE PIKE, 2ND  
FLOOR ROCKVILLE, MD 20850

ZONING: RESIDENTIAL  
BUILDING CODE: IBC 2018  
ELECTRICAL CODE: NEC 2017  
ASCE VERSION: ASCE 7-16

SNOW LOAD: 30 PSF  
WIND SPEED: 110 MPH  
WIND EXPOSURE: B

DC RATING: 6.12 kW  
AC RATING: 4.93 kW  
RACKING: UNIRAC SM LIGHT RAIL  
MODULE: (17) REC360AA  
INVERTER: (17) IQ7PLUS-72-2-US



PROJECT SCOPE

THIS PROJECT INVOLVES THE INSTALLATION OF (17) REC 360 SOLAR MODULES. THE SOLAR MODULES WILL BE RACKED USING A PRE-ENGINEERED RACKING SYSTEM. THE RACKED MODULES WILL BE ELECTRICALLY CONNECTED TO (17) ENPHASE DC TO AC POWER INVERTERS, AND INTERCONNECTED TO THE LOCAL UTILITY USING MEANS AND METHODS CONSISTENT WITH THE RULES ENFORCED BY THE LOCAL UTILITY AND PERMITTING JURISDICTION.

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E003	STRING & CONDUIT LAYOUT
E004	EQUIP. RATINGS & SIGNAGE
APPENDIX	MODULE DATASHEET
	INVERTER DATASHEET
	RACKING DATASHEET
	ANCHOR DATASHEET

FOR PERMITTING USE ONLY

PROJECT ADDRESS:

SCOTT  
WALLSTEN  
1 MONTGOMERY AVENUE  
TAKOMA PARK, MD  
UNITED STATES 20912

CONTRACTOR INFO:



3600 COMMERCE DR  
SUITE 601  
BALTIMORE, MD 21227  
(443) 955-0779

LICENSE NUMBER:

MHIC-30991

REV	DATE
IFC	12/29/2020

COVER

Z001

GENERAL NOTES

- 1) THIS PHOTOVOLTAIC (PV) SYSTEM SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE (NEC) ARTICLE 690, ALL MANUFACTURERS'S LISTING AND INSTALLATION INSTRUCTIONS, AND THE RELEVANT CODES AS SPECIFIED BY THE AUTHORITY HAVING JURISDICTION (AHJ).
- 2) ALL SIGNAGE TO BE PLACED IN ACCORDANCE WITH LOCAL BUILDING CODE AND AS REQUIRED BY THE NEC AND AHJ.

- 3) PV SYSTEM CIRCUITS INSTALLED ON OR IN BUILDINGS SHALL INCLUDE A RAPID SHUTDOWN FUNCTION TO REDUCE SHOCK HAZARD FOR EMERGENCY RESPONDERS

- 4) THIS SYSTEM IS A UTILITY INTERACTIVE SYSTEM, AND THE PV MODULES ARE CONSIDERED NON-COMBUSTIBLE.



STAMPED AND SIGNED  
FOR STRUCTURAL ONLY

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.  
License No. 49910 Expires: 9/15/22

DocuSigned by:

Andrew Oesterreicher

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FOR ENGINEERING USE ONLY

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**4) ANY ROOFING PENETRATIONS SHALL HAVE PROPER FLASHING SEALANT USED TO PROVIDE WATERTIGHT ASSEMBLY**

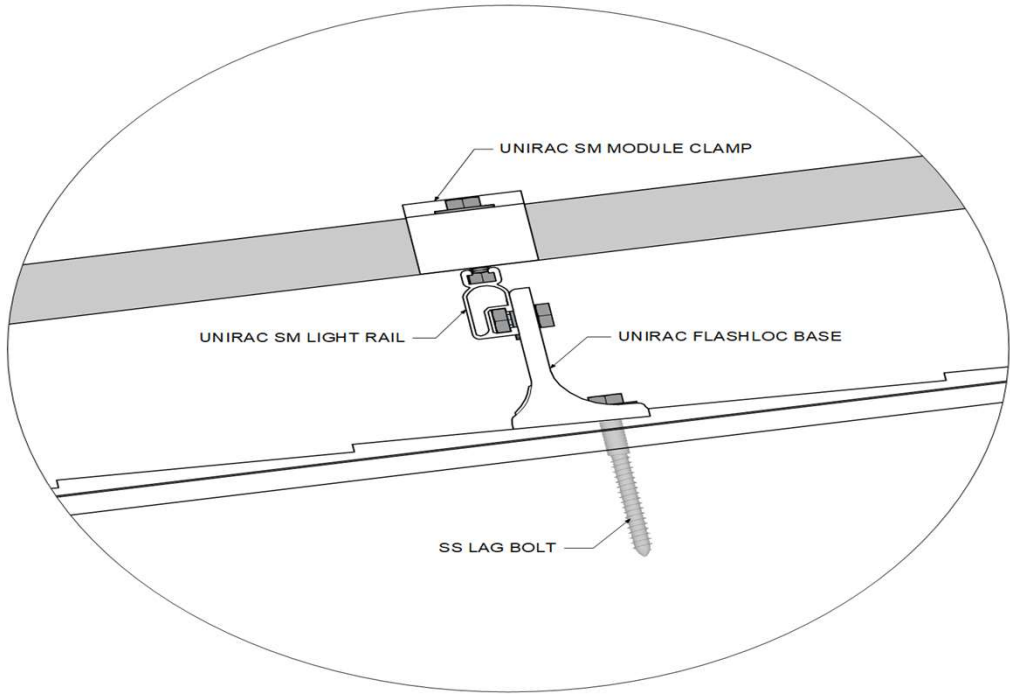
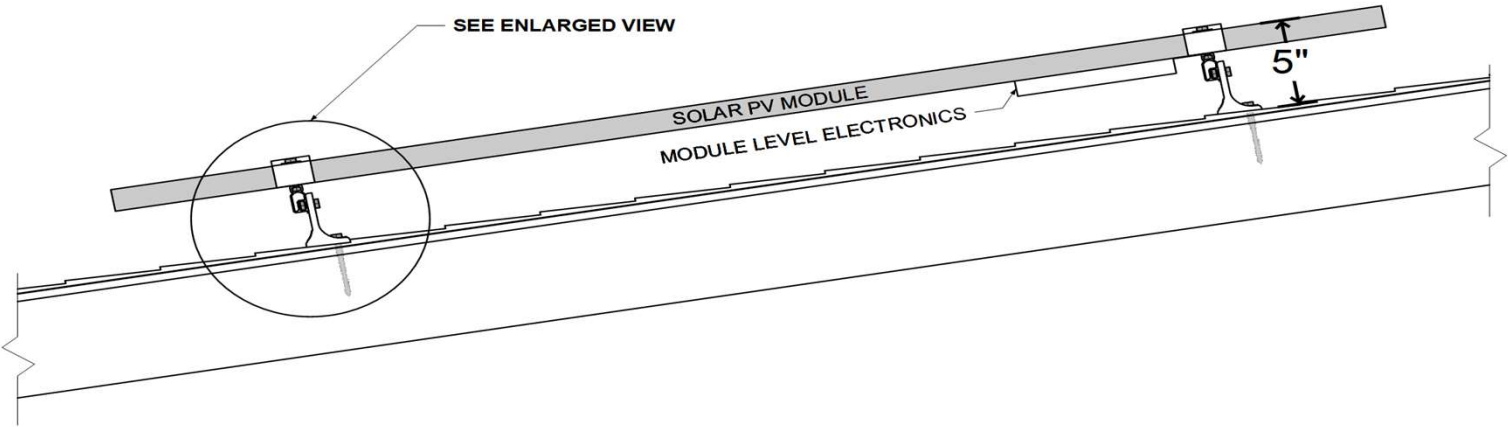


MOUNTING SYSTEM PROPERTIES	
RACKING	UNIRAC SM LIGHT RAIL
STANDOFF	UNIRAC FLASHLOC
MAX. RAIL SPAN	48 IN
MIN. FASTENER DEPTH	2.50 IN
MAX. RAIL CANTILEVER	16 IN
MAX. ARRAY HEIGHT	6"

DEAD LOAD CALCULATION			
LOAD	QTY. OR LIN. FT.	WEIGHT PER (LB)	TOTAL LBS.
MODULES	17	43	731.00
M.L.E.'S	17	2.38	40.46
RACKING	135.1	0.81	109.40
STANDOFF	49	0.5	24.50
TOTAL ARRAY WEIGHT (LBS)			905.4
TOTAL ARRAY AREA (SQ.FT.)			319.9
DISTRIBUTED LOAD (PSF)			2.83

POINT LOAD CALCULATION	
TOTAL ARRAY WEIGHT (LBS)	905.36
TOTAL NUMBER OF STANDOFFS (TYP.)	49
POINT LOAD (LBS/STANDOFF)	18.48

ROOF PROPERTIES	ROOF LABEL:	A	B	C
	MATERIAL:	3-Tab Comp. Shingle	3-Tab Comp. Shingle	3-Tab Comp. Shingle
	PITCH:	45°	23°	45°
	AZIMUTH:	170°	170°	260°
	PRIMARY SUPPORT:	2x10 RAFTERS	2x4 TOP CHORD TRUSSES	2x10 RAFTERS
	PRIMARY SUPPORT SPACING:	24"	24"	24"
	LEAST HORIZONTAL DIMENSION:	14'	9'	9'
	MEAN HEIGHT:	25'	15'	15'
	RACKING:	UNIRAC SM LIGHT RAIL	UNIRAC SM LIGHT RAIL	UNIRAC SM LIGHT RAIL
	STANDOFF:	UNIRAC FLASHLOC	UNIRAC FLASHLOC	UNIRAC FLASHLOC



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ASSEMBLY &  
LOAD CALCS

S001



STAMPED AND SIGNED  
FOR STRUCTURAL ONLY

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.  
License No. 49910 Expires: 9/15/22

DocuSigned by:

Andrew Oesterreicher

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INSTALLATION NOTES

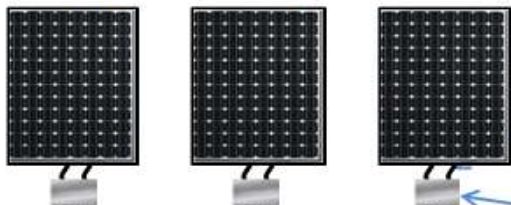
- 1) ALL RACKING SHALL BE INSTALLED PER MANUFACTUER SPECIFICATIONS
- 2) M.L.E.'S = MODULE LEVEL ELECTRONICS (IE, POWER OPTIMIZERS, MICRO-INVERTERS, CABELS, ETC)
- 3) USE 5/16" X 4"HEX HEAD STAINLESS STEEL LAG SCREWS

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Designed by Melissa Damm

When the AC utility source is removed from the inverter output circuits via any means, such as an AC breaker, AC disconnect or removal of the solar or main utility service meter, this equipment performs the rapid shutdown function per 690.12.

Array bonded with # 6 Bare Cu



This Array 8 Panels / Inverters

8 x 1.21 x 125% = 12.10 on 15 Amp

Circuit Breaker



This Array 9 Panels / Inverters

9 x 1.21 x 125% = 13.61 on 15 Amp

Circuit Breaker

Enphase Trunk Cable (5')

(2) #12 - THHN-THWN-2 Copper Conductors

(1) #12 - THHN-THWN-2 Copper Ground

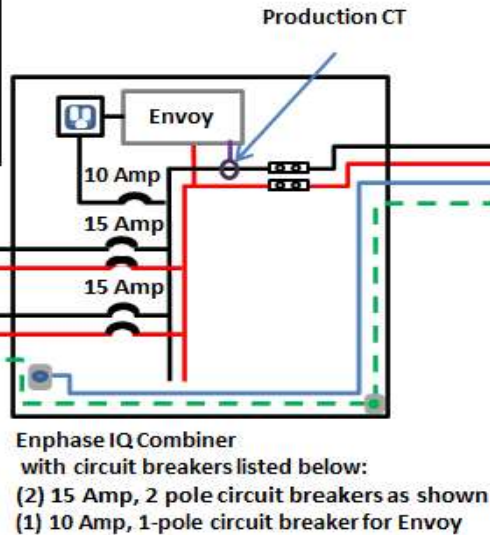
All conduit sizing will be in accordance to the NEC, Chapter #9  
Two Ungrounded conductors per circuit of inverters (Typ)

Solar Module Total  
17 Modules and Inverters  
DC wiring from the solar module (typ)

Enphase Micro Inverter  
Ground Fault Protection is integrated within  
Inverter Model: IQ7PLUS - 72 - 2 - US  
Max DC Volt Rating: 60 VDC  
Max Power @ 40 degrees C: 295W  
Nominal AC Voltage: 240V  
Max AC Current: 1.21 Amps

Installation of the 3/4" Steel EMT conduit (70') will have two circuits, will consist of:  
(4) #10 THHN-THWN-2, phase conductors,  
plus (1) # 8 Ground

Scott Wallsten  
1 Montgomery Avenue  
Takoma Park, MD 20912



AC Disconnect within 6' of the Utility Meter

240 Volt, 1 Phase  
Non-Fused  
Disconnect Switch  
mounted adjacent to  
the utility meter  
30 Amp

240 Volt, 1 Phase, 100 Amp  
Circuit Breaker Enclosure  
adjacent to the main circuit  
breaker panel  
30 Amp

4/0 AL SEU Cable (20')

Utility Distribution Connection

Line Side Tap  
Insulated Taps

200  
Amp

200 Amp Buss  
Square D QO  
Panel

Grounding  
Electrode  
System

(3) #10 - THHN-THWN-2 Copper  
(1) #8 - THHN-THWN-2 Copper Ground  
3/4" Steel EMT (15')

(3) #6 - THHN-THWN-2 Copper  
1" Steel EMT (5')

#### ELECTRICAL NOTES

1) ALL EQUIPMENT TO BE LISTED AND LABELED FOR ITS APPLICATION

2) WORKING CLEARANCES AROUND ALL NEW AND EXISTING ELECTRICAL EQUIPMENT SHALL COMPLY WITH NEC

3) IF USED, PV POWER SOURCE BREAKER TO BE LOCATED AT BOTTOM OF BUS

4) LISTING AGENCY NAME AND NUMBER TO BE INDICATED ON INVERTERS AND MODULES

5) AC COMBINER PANELS SHALL BE LABELED AS "INVERTER AC COMBINER PANEL"

5) PV POWER SOURCE TO BE SUITABLE FOR BACKFEED

FOR PERMITTING USE ONLY

#### PROJECT ADDRESS:

SCOTT  
WALLSTEN  
1 MONTGOMERY AVENUE  
TAKOMA PARK, MD  
UNITED STATES 20912

#### CONTRACTOR INFO:



3600 COMMERCE DR  
SUITE 601  
BALTIMORE, MD 21227  
(443) 955-0779

#### LICENSE NUMBER:

MHIC-30991

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#### ELECTRICAL - LINE DIAGRAM

E001



Combiner To Array  
Wire Length 70'  
Wire Size #10 AWG  
WIRE SIZING CALCULATION  
2017 NEC Article 310  
Full Load Amperage ..... : 10.89  
Source Voltage ..... : 240  
Length of Run (Feet) ..... : 70  
Load Duty ..... : Noncontinuous  
Conductor Type ..... : THWN-2  
Conductor Material..... : Copper  
Conductor Location ..... : Dry or Wet  
Conductor Insulation Temperature : 90 °C  
Rooftop Installation: NEC 310.15(B)(3)(c)  
Distance Above Roof ..... : Less than 23mm (7/8 inch) above rooftop  
Average Outside Temp ..... : 90 Deg. F 32.2 Deg. C  
Temperature Adder ..... : 0 Deg. F 0 Deg. C

Adjusted Ambient Temperature ... : 90.0 Deg. F 32.2 Deg. C  
Terminal Temperature Rating .... : 60 °C  
Circuit Type : Single Phase 2 Wire (2 phase conductors, or phase & neutral)  
Qty. of Circuit Current-Carrying Conductors : 2  
Additional Current-Carrying Conductors ..... : 2

Total Qty. Current-Carrying Conductors ..... : 4  
Conductor Requirement:  
Full Load Amps ..... : 10.89  
Load Duty Multiplier ..... : 1.0  
Ambient Temp. Multiplier . : 1.04  
Qty. Conductors Multiplier : 1.25

Required Conductor Ampacity: 14.16  
Terminal Requirement:  
Full Load Amps ..... : 10.89  
Load Duty Multiplier ..... : 1.0

Required Terminal Ampacity : 10.89  
Selected Conductor:  
Conductor Ampacity ..... : 40.0  
Ambient Temp. Derate ..... : 0.96  
Qty. Conductors Derate ... : 0.8

Adjusted Ampacity ..... : 30.72  
SELECTED CONDUCTOR SIZE : 10 Awg  
2 x Ohms/MilFt x Length x Amps 2 x 1.24 x 70 x 14.16  
VD = ..... = 1.89  
1000 x Qty Wires per Phase 1000 x 1  
Volts At Load Terminals..... : 238.11  
Actual Percent Voltage Drop . : 0.79

Interconnection  
Line Side Tap  
Wire Size #10 AWG  
WIRE SIZING CALCULATION  
2017 NEC Article 310  
Full Load Amperage ..... : 20.57  
Source Voltage ..... : 240  
Length of Run (Feet) ..... : 30  
Load Duty ..... : Continuous  
Conductor Type ..... : THWN-2  
Conductor Material..... : Copper  
Conductor Location ..... : Dry or Wet  
Conductor Insulation Temperature : 90 °C  
Ambient Temperature ..... : 26-30 °C = 78-86 °F  
Terminal Temperature Rating .... : 60 °C  
Circuit Type : Single Phase 3 Wire (2 phase conductors & neutral)  
Qty. of Circuit Current-Carrying Conductors : 2  
Conductor Requirement:  
Full Load Amps ..... : 20.57  
Load Duty Multiplier ..... : 1.25  
Ambient Temp. Multiplier . : 1.15  
Qty. Conductors Multiplier : 1.0

Required Conductor Ampacity: 29.57  
Terminal Requirement:  
Full Load Amps ..... : 20.57  
Load Duty Multiplier ..... : 1.25

Required Terminal Ampacity : 25.71  
Selected Conductor:  
Conductor Ampacity ..... : 40.0  
Ambient Temp. Derate ..... : 0.87  
Qty. Conductors Derate ... : 1.0

Adjusted Ampacity ..... : 34.8  
SELECTED CONDUCTOR SIZE : 10 Awg  
2 x Ohms/MilFt x Length x Amps 2 x 1.24 x 30 x 29.57  
VD = ..... = 1.53  
1000 x Qty Wires per Phase 1000 x 1  
Volts At Load Terminals..... : 238.47  
Actual Percent Voltage Drop . : 0.64

**ELECTRICAL NOTES**

- 1) ALL CONDUCTORS SHALL BE COPPER, RATED FOR 90°C AND WET ENVIRONMENT, UNLESS OTHERWISE NOTED.
- 2) ALL WIRE TERMINATIONS SHALL BE APPROPRIATELY LABELED AND READILY VISIBLE.
- 3) MODULE GROUNDING CLIPS TO BE INSTALLED BETWEEN MODULE FRAME AND MODULE SUPPORT RAIL, PER MANUFACTURER'S INSTRUCTION.

CALCULATION FOR PV BREAKER					
CALCULATION FOR MAIN PV BREAKER & CIRCUITS					
SYSTEM CURRENT:	1.21	x	17	=	20.57 A
DESIGN AMPERAGE:	20.57	x	125%	=	25.7125 A
MAIN BUSS RATING:	200	x	120%	=	240 A
EXISTING MAIN BREAKER:					200 A
MAX SOLAR BREAKER:	240	-	200	=	40 A
CIRCUIT #1 =	8	x	1.21 x 125% =		12.1 A
CIRCUIT #2 =	9	x	1.21 x 125% =		13.61 A

4) MODULE SUPPORT RAIL TO BE BONDED TO CONTINUOUS COPPER GEC VIA WEEB LUG

**FOR PERMITTING USE ONLY**

**PROJECT ADDRESS:**

SCOTT  
WALLSTEN  
1 MONTGOMERY AVENUE  
TAKOMA PARK, MD  
UNITED STATES 20912

**CONTRACTOR INFO:**



**FUSION**  
SOLAR SERVICES

3600 COMMERCE DR  
SUITE 601  
BALTIMORE, MD 21227  
(443) 955-0779

**LICENSE NUMBER:**

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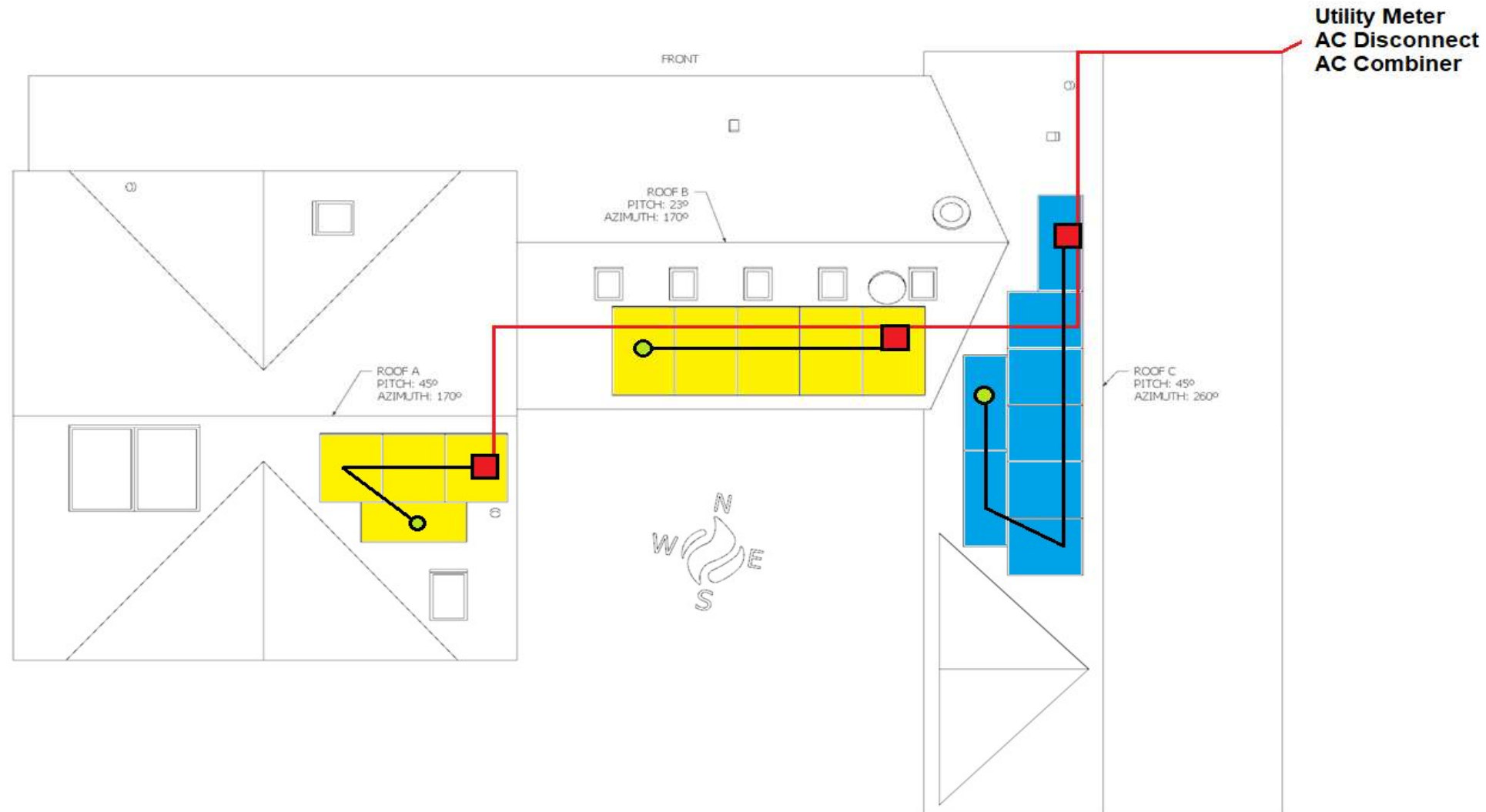
12/29/2020

**ELECTRICAL -  
WIRE CALCS**

**E002**



- Circuit 1 (8)
- Circuit 2 (9)
- Junction Box
- Soladeck
- End Cap
- Trunk Cable
- Exterior Conduit
- Interior Conduit



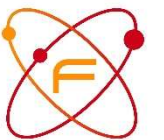
#### ELECTRICAL NOTES

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**STRING & CONDUIT  
LAYOUT**

**E003**

SOLAR MODULE RATINGS		
REC 360 Specifications		
Length:	67.75	in
Width:	40	in
Thickness:	1.18	in
Weight:	43	lbs
Imp:	9.55	A
Vmp:	37.7	V
Voc:	44.3	V
Isc:	10.16	A
OCPD:	25	A
Pmax:	360	W
Vmax:	1000	V
Temp. Coefficient:	-0.24	%Voc/°C

INVERTER 1 RATINGS		
IQ7PLUS-72-2-US Specifications		
Max # Per String:	13	
I <sub>max</sub> (ac):	1.21	A
V <sub>max</sub> (dc):	60	V
P <sub>max</sub> :	290	W
Nom. AC Voltage:	240	V
OCPD:	20	A
Weight (Optimizer):	2.38	lbs
I <sub>max</sub> (Input):	15	A
P <sub>max</sub> (dc) Input:	N/A	V

WARNING: PHOTOVOLTAIC  
POWER SOURCE

LABEL TO BE INSTALLED AT EXPOSED  
RACEWAYS, CABLE TRAYS, AND OTHER WIRING  
METHODS; SPACED AT MAXIMUM 10FT SECTION  
OR WHERE SEPARATED BY ENCLOSURES,  
WALLS, PARTITIONS, CEILINGS, OR FLOORS.

LETTERS AT LEAST 3/8 INCH; WHITE ON RED  
BACKGROUND; REFLECTIVE

PHOTOVOLTAIC  
DC DISCONNECT

LABEL TO BE INSTALLED AT EACH DC  
DISCONNECTING MEANS

PHOTOVOLTAIC  
AC DISCONNECT

LABEL TO BE INSTALLED AT EACH AC  
DISCONNECTING MEANS

PHOTOVOLTAIC SYSTEM  
EQUIPPED WITH RAPID  
SHUTDOWN

LABEL TO BE INSTALLED AT RAPID SHUTDOWN  
SWITCH

LETTERS AT LEAST 3/8 INCH; WHITE ON RED  
BACKGROUND; REFLECTIVE

SOLAR PV SYSTEM DISCONNECT

RATED AC OUTPUT CURRENT: 20.57 A

NOMINAL OPERATING AC VOLTAGE: 240 V

LABEL TO BE INSTALLED AT AN ACCESSIBLE LOCATION AT THE DISCONNECTING MEANS  
AS A POWER SOURCE

WARNING

ELECTRICAL SHOCK HAZARD

DO NOT TOUCH TERMINALS!  
TERMINALS ON BOTH LINE AND  
LOAD SIDES MAY BE ENERGIZED  
IN THE OPEN POSITION

LABEL TO BE INSTALLED AT EACH DISCONNECTING MEANS FOR  
PHOTOVOLTAIC EQUIPMENT

WARNING

ELECTRICAL SHOCK HAZARD

IF GROUND FAULT IS INDICATED  
NORMALLY GROUNDED  
CONDUCTORS MAY BE  
UNGROUNDDED AND ENERGIZED

LABEL TO BE INSTALLED AT EACH DISCONNECTING MEANS FOR  
PHOTOVOLTAIC EQUIPMENT

WARNING

DUAL POWER SOURCE SECOND SOURCE IS  
PHOTOVOLTAIC SYSTEM

LABEL TO BE INSTALLED ON EXTERIOR OF MAIN  
ELECTRICAL PANEL

WARNING

INVERTER OUTPUT CONNECTION. DO NOT  
RELOCATE THIS OVERCURRENT DEVICE

LABEL TO BE APPLIED TO THE DISTRIBUTION  
EQUIPMENT

INTERACTIVE PHOTOVOLTAIC  
SYSTEM CONNECTED

LABEL TO BE INSTALLED AT UTILITY METER

FOR PERMITTING USE ONLY

PROJECT ADDRESS:

SCOTT  
WALLSTEN  
1 MONTGOMERY AVENUE  
TAKOMA PARK, MD  
UNITED STATES 20912

CONTRACTOR INFO:



FUSION  
SOLAR SERVICES

3600 COMMERCE DR  
SUITE 601  
BALTIMORE, MD 21227  
(443) 955-0779

LICENSE NUMBER:

MHIC-30991

REV

DATE

IFC

12/29/2020

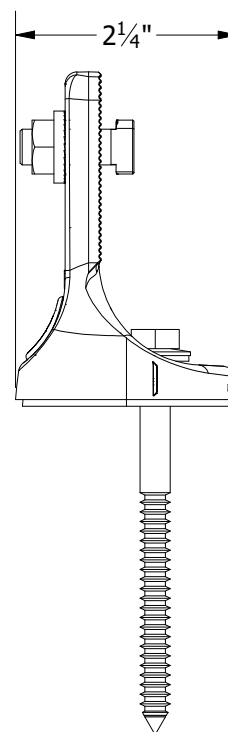
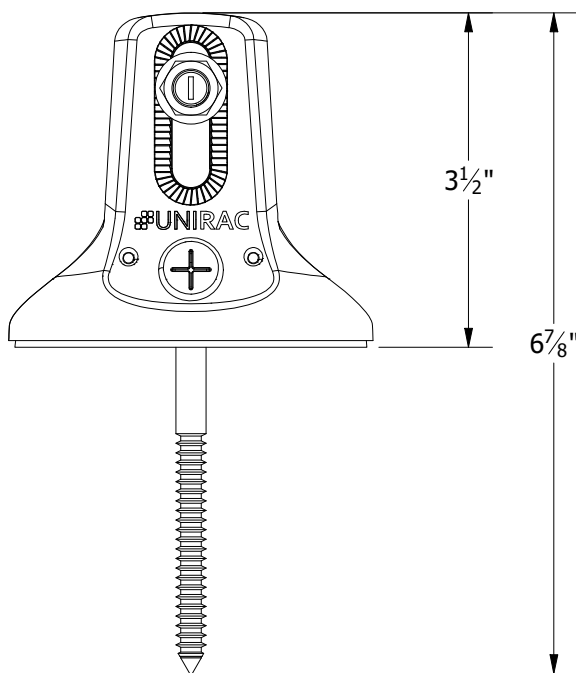
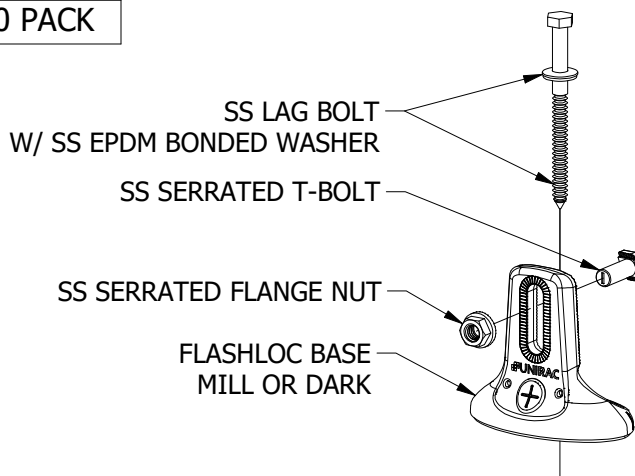
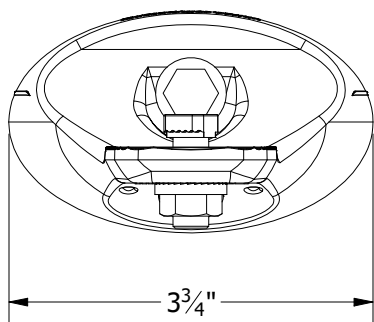
EQUIP. RATINGS  
& SIGNAGE

E004

SIGNAGE NOTES

- 1) ALL PLAQUES AND LABELS SHALL HAVE A RED BACKGROUND (OR AS SHOWN HERE)
- 2) ALL LETTERING SHALL BE WHITE AND HAVE A MINIMUM HEIGHT OF 3/8" (OR AS SHOWN HERE)
- 3) FONT SHALL BE ARIAL (OR SIMILAR ) AND ALL LETTERING SHALL BE CAPITALIZED
- 4) ALL PLAQUES AND LABELS SHALL BE OF A MATERIAL SUITABLE FOR THE ENVIRONMENT INSTALLED

PART TABLE	
P/N	DESCRIPTION
004085M	FLASHLOC COMP KIT MILL, 20 PACK
004085D	FLASHLOC COMP KIT DARK, 20 PACK



1411 BROADWAY BLVD. NE  
ALBUQUERQUE, NM 87102 USA  
PHONE: 505.242.6411  
WWW.UNIRAC.COM

PRODUCT LINE:	SOLARMOUNT
DRAWING TYPE:	PART DRAWING
DESCRIPTION:	FLASHLOC COMP KIT
REVISION DATE:	10/3/2019

DRAWING NOT TO SCALE  
ALL DIMENSIONS ARE  
NOMINAL

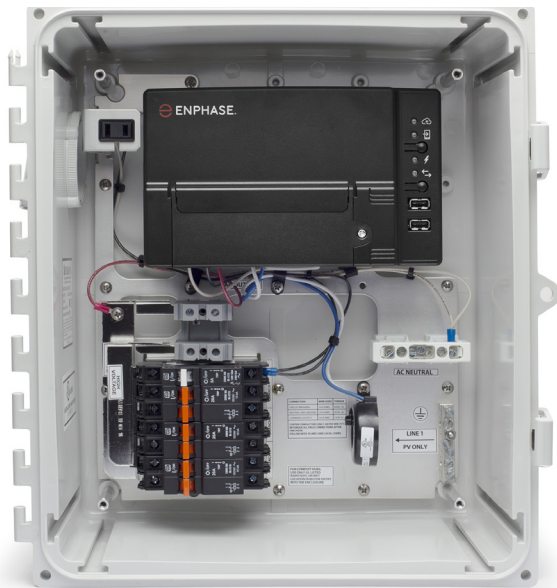
PRODUCT PROTECTED BY  
ONE OR MORE US PATENTS  
LEGAL NOTICE

FL-A01

SHEET

## Enphase AC Combiner Box

The **Enphase AC Combiner Box™** with Enphase Envoy-S™ consolidates interconnection equipment into a single enclosure and streamlines PV installations by providing a consistent, pre-wired solution for residential applications.



### Smart

- Includes Envoy-S for communication and control
- Flexible networking supports Wi-Fi, Ethernet, or cellular

### Simple

- Three pre-installed 20 A / 240 VAC circuit breakers
- Pre-configured revenue-grade metering available

### Reliable

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



**LISTED**

To learn more about Enphase offerings, visit [enphase.com](https://enphase.com)

# Enphase AC Combiner Box

## MODEL NUMBERS

XAM1-120-B (880-00834) or XAM1-120 (880-00211)	AC Combiner with Enphase Envoy-S Metered™ for integrated revenue grade PV production metering (ANSI C12.20 +/- 0.5%) and optional consumption monitoring (+/- 2.5%).
--	--

## ACCESSORIES (order separately)

Enphase Mobile Connect™ CELLMODEM-01 (3G) or CELLMODEM-03 (4G)	Plug and play industrial grade cellular modem with five-year data plan for systems up to 60 microinverters. (Available in the US, Canada, Mexico, Puerto Rico, and the US Virgin Islands, where there is adequate cellular service in the installation area.)
Consumption Monitoring CT CT-200-SPLIT	Split core current transformers enable whole home consumption metering (+/- 2.5%).

## ELECTRICAL SPECIFICATIONS

Rating	Continuous duty
Solar branch circuit breakers	Three 2-pole 20 A / 240 VAC DIN rail-mounted breakers
Maximum system voltage	240 VAC
Rated output current	48 A
Rated input current, each input	16 A
Maximum fuse/circuit breaker rating (output)	60 A
Production Metering CT	200 A solid core pre-installed on solar busbar and wired to Envoy-S

## MECHANICAL DATA

Dimensions (WxHxD)	38.0 x 38.7 x 20.3 cm (15.0" x 15.3" x 8.0")
Weight	5.1 kg (11.2 lbs)
Ambient temperature range	-40° C to +46° C (-40° to 115° F)
Cooling	Vented, natural convection, plus heat shield
Enclosure environmental rating	Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction
Altitude	To 2000 meters (6,560 feet)
Wire size:	Follow local code requirements for conductor sizing.
Model XAM1-120-B	<ul style="list-style-type: none"> <li>• 14 to 6 AWG copper conductors for branch inputs.</li> <li>• 14 to 4 AWG copper conductors for combined output.</li> </ul>
Model XAM1-120	<ul style="list-style-type: none"> <li>• 12 to 6 AWG copper conductors for branch inputs.</li> <li>• 12 to 4 AWG copper conductors for combined output.</li> </ul>

## INTERNET CONNECTION OPTIONS

Integrated Wi-Fi	802.11b/g/n
Ethernet	802.3, Cat5E (or Cat 6) UTP Ethernet cable - (not included)
Cellular	Optional, CELLMODEM-01 (3G) or CELLMODEM-03 (4G) - (not included)

## COMPLIANCE

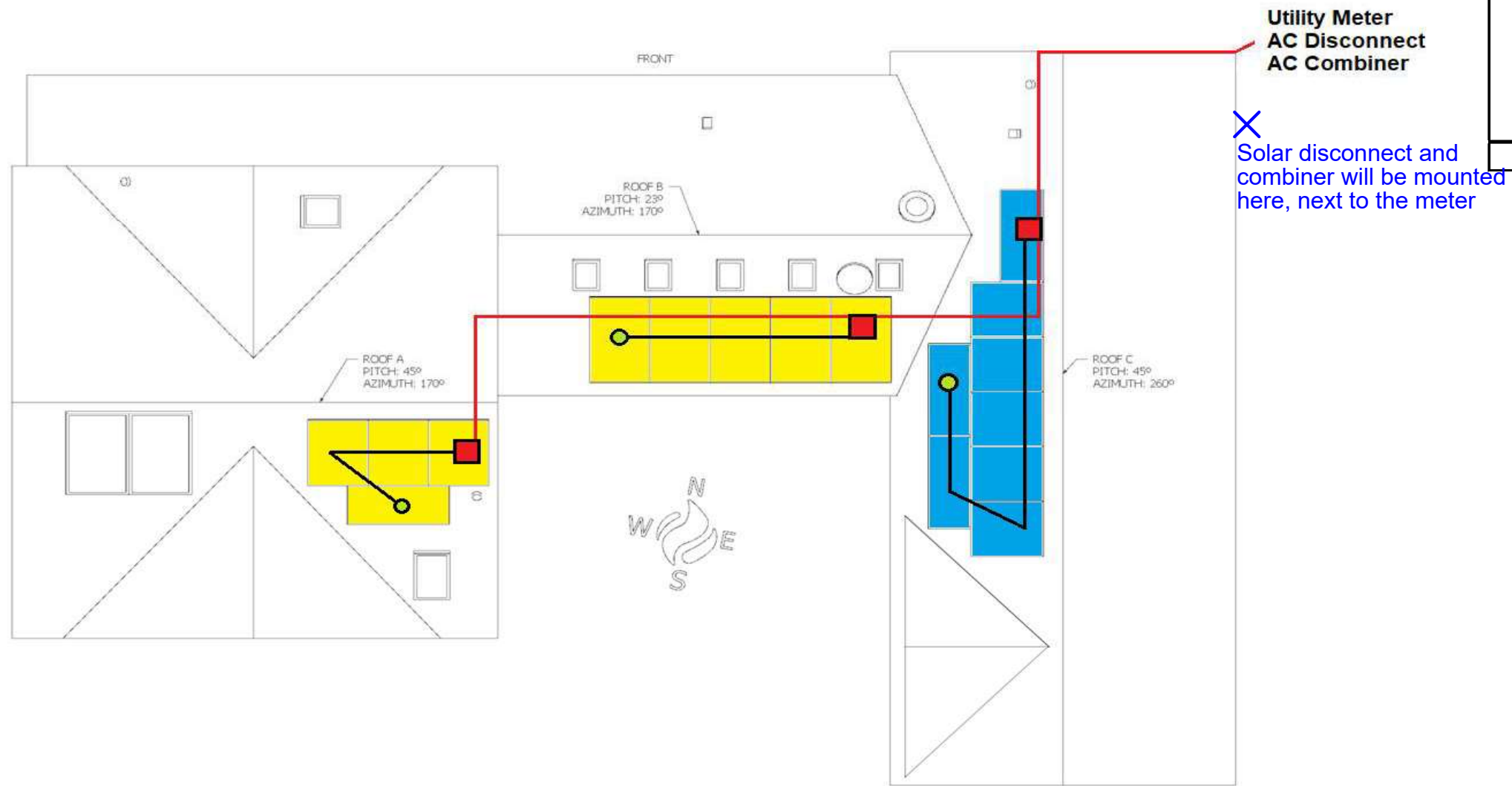
Compliance, Combiner Box	UL 1741
Compliance, Envoy-S	UL 916 CAN/CSA C22.2 No. 61010-1 47 CFR, Part 15, Class B, ICES 003 IEC/EN 61010-1:2010, EN50065-1, EN61000-4-5, EN61000-6-1, EN61000-6-2 Metering: ANSI C12.20 accuracy class 0.5

To learn more about Enphase offerings, visit [enphase.com](http://enphase.com)

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2017-04-14



- Circuit 1 (8)
- Circuit 2 (9)
- Junction Box
- Soladeck
- End Cap
- Trunk Cable
- Exterior Conduit
- Interior Conduit



FOR PERMITTING USE ONLY

**PROJECT ADDRESS:**

**SCOTT  
WALLSTEN**  
1 MONTGOMERY AVENUE  
TAKOMA PARK, MD  
UNITED STATES 20912

**CONTRACTOR INFO:**



3600 COMMERCE DR  
SUITE 601  
BALTIMORE, MD 21227  
(443) 955-0779

**LICENSE NUMBER:**

MHIC-30991

**ELECTRICAL NOTES**

**REV      DATE**

IFC      12/29/2020

**STRING & CONDUIT  
LAYOUT**

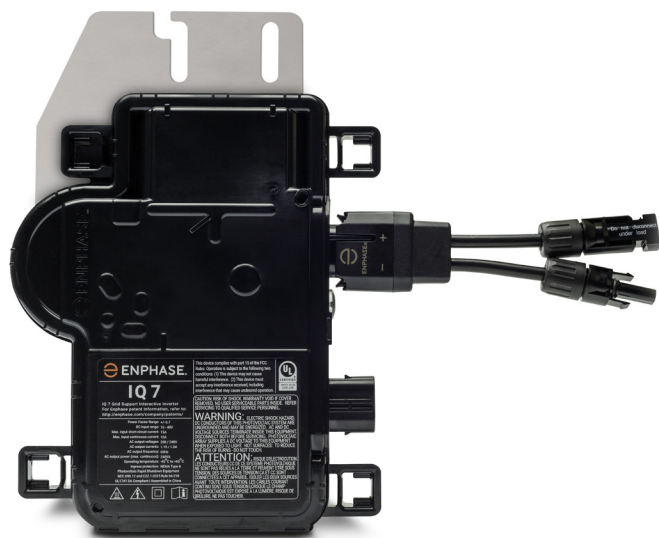
**E003**

# Enphase IQ 7 and IQ 7+ Microinverters

The high-powered smart grid-ready **Enphase IQ 7 Micro™** and **Enphase IQ 7+ Micro™** 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™, Enphase IQ Battery™, and the Enphase Enlighten™ 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.



To learn more about Enphase offerings, visit [enphase.com](https://enphase.com)

## Enphase IQ 7 and IQ 7+ Microinverters

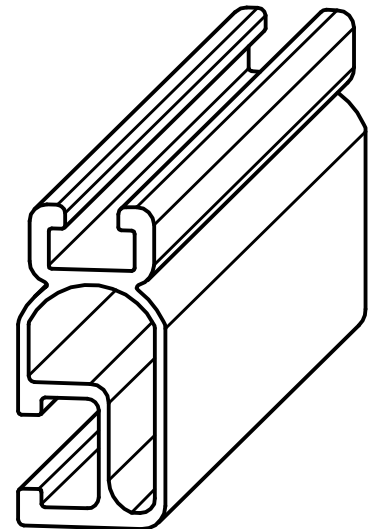
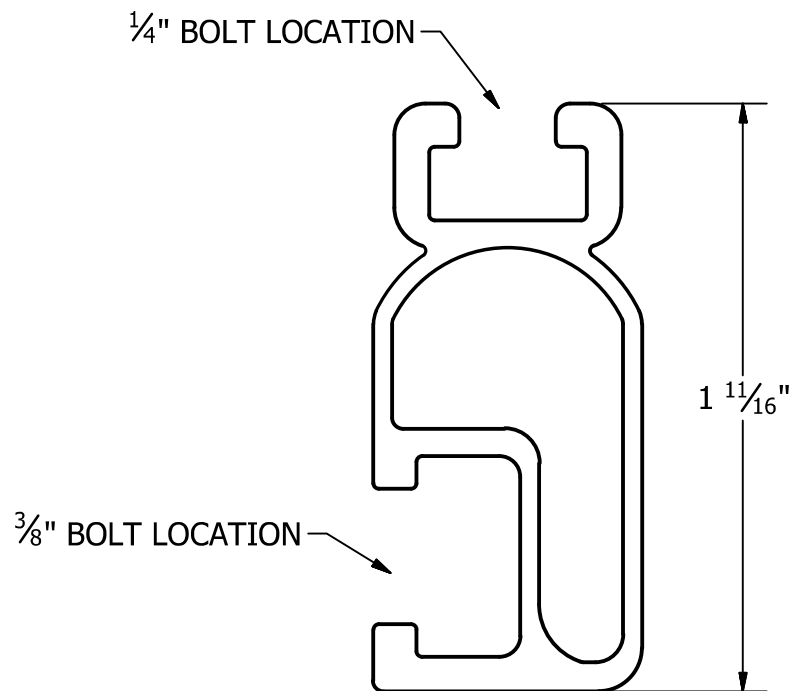
INPUT DATA (DC)	IQ7-60-2-US / IQ7-60-B-US		IQ7PLUS-72-2-US / IQ7PLUS-72-B-US	
Commonly used module pairings¹	235 W - 350 W +		235 W - 440 W +	
Module compatibility	60-cell PV modules only		60-cell and 72-cell PV modules	
Maximum input DC voltage	48 V		60 V	
Peak power tracking voltage	27 V - 37 V		27 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	II		II	
DC port backfeed current	0 A		0 A	
PV array configuration	1 x 1 ungrounded array; No additional DC side protection required; AC side protection requires max 20A per branch circuit			
OUTPUT DATA (AC)	IQ 7 Microinverter		IQ 7+ Microinverter	
Peak output power	250 VA		295 VA	
Maximum continuous output power	240 VA		290 VA	
Nominal (L-L) voltage/range²	240 V / 211-264 V	208 V / 183-229 V	240 V / 211-264 V	208 V / 183-229 V
Maximum continuous output current	1.0 A (240 V)	1.15 A (208 V)	1.21 A (240 V)	1.39 A (208 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 circuit³	16 (240 VAC)	13 (208 VAC)	13 (240 VAC)	11 (208 VAC)
Overvoltage class AC port	III		III	
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 ... 0.85 lagging	
EFFICIENCY	@240 V	@208 V	@240 V	@208 V
Peak efficiency	97.6 %	97.6 %	97.5 %	97.3 %
CEC weighted efficiency	97.0 %	97.0 %	97.0 %	97.0 %
MECHANICAL DATA				
Ambient temperature range	-40°C to +65°C			
Relative humidity range	4% to 100% (condensing)			
Connector type (IQ7-60-2-US & IQ7PLUS-72-2-US)	MC4 (or Amphenol H4 UTX with additional Q-DCC-5 adapter)			
Connector type (IQ7-60-B-US & IQ7PLUS-72-B-US)	Friends PV2 (MC4 intermateable). Adaptors for modules with MC4 or UTX connectors: - PV2 to MC4: order ECA-S20-S22 - PV2 to UTX: order ECA-S20-S25			
Dimensions (WxHxD)	212 mm x 175 mm x 30.2 mm (without bracket)			
Weight	1.08 kg (2.38 lbs)			
Cooling	Natural convection - No fans			
Approved for wet locations	Yes			
Pollution degree	PD3			
Enclosure	Class II double-insulated, corrosion resistant polymeric enclosure			
Environmental category / UV exposure rating	NEMA Type 6 / outdoor			
FEATURES				
Communication	Power Line Communication (PLC)			
Monitoring	Enlighten Manager and MyEnlighten monitoring options. Both options require installation of an Enphase IQ Envoy.			
Disconnecting means	The AC and DC connectors have been evaluated and approved by UL for use as the load-break disconnect required by NEC 690.			
Compliance	CA Rule 21 (UL 1741-SA) UL 62109-1, UL1741/IEEE1547, FCC Part 15 Class B, ICES-0003 Class B, CAN/CSA-C22.2 NO. 107.1-01 This product is UL Listed as PV Rapid Shut Down Equipment and conforms with NEC-2014 and NEC-2017 section 690.12 and C22.1-2015 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according manufacturer's instructions.			

1. No enforced DC/AC ratio. See the compatibility calculator at <https://enphase.com/en-us/support/module-compatibility>.

2. Nominal voltage range can be extended beyond nominal if required by the utility.

3. 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](https://enphase.com)



PART # TABLE		
P/N	DESCRIPTION	LENGTH
315168M	SM LIGHT RAIL 168" MILL	168"
315168D	SM LIGHT RAIL 168" DRK	168"
315240M	SM LIGHT RAIL 240" MILL	240"
315240D	SM LIGHT RAIL 240" DRK	240"



1411 BROADWAY BLVD. NE  
ALBUQUERQUE, NM 87102 USA  
PHONE: 505.242.6411  
WWW.UNIRAC.COM

PRODUCT LINE: SOLARMOUNT

DRAWING TYPE: PART DETAIL

DESCRIPTION: LIGHT RAIL

REVISION DATE: 9/11/2017

DRAWING NOT TO SCALE  
ALL DIMENSIONS ARE  
NOMINAL

PRODUCT PROTECTED BY  
ONE OR MORE US PATENTS  
LEGAL NOTICE

**SM-P02**

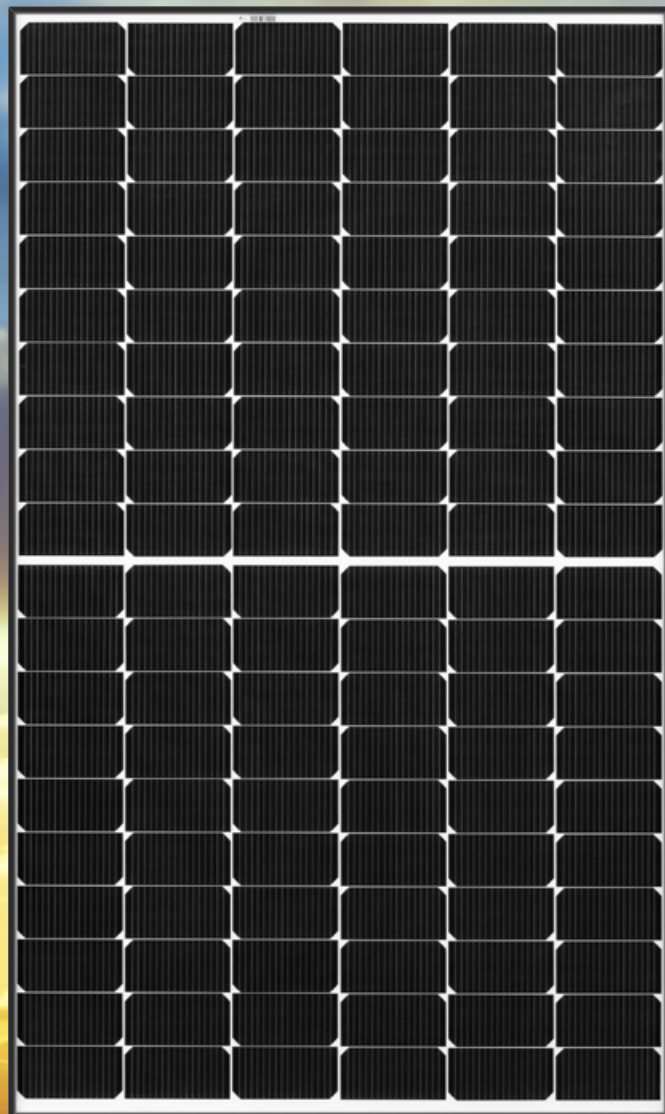
SHEET



SOLAR'S MOST TRUSTED



# REC ALPHA SERIES



380 W<sub>P</sub> POWER

20 YEAR PRODUCT WARRANTY

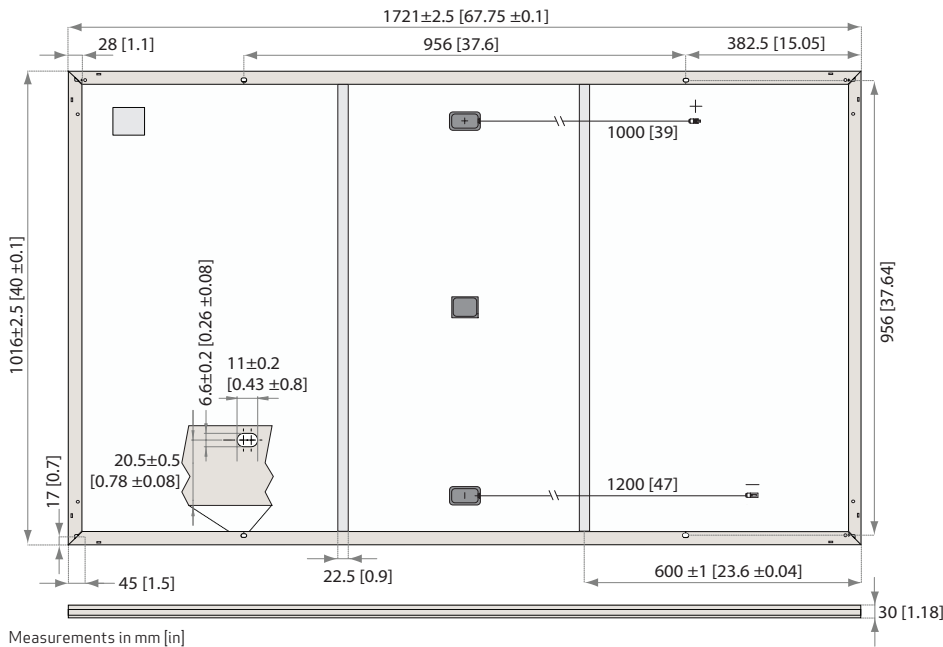
25 YEAR POWER OUTPUT WARRANTY



[recgroup.com/alpha](http://recgroup.com/alpha)



# REC ALPHA SERIES



## ELECTRICAL DATA @ STC

### Product Code\*: RECxxxAA

Nominal Power - $P_{MPP}$ (Wp)	360	365	370	375	380
Watt Class Sorting - (W)	-0/+5	-0/+5	-0/+5	-0/+5	-0/+5
Nominal Power Voltage - $V_{MPP}$ (V)	37.7	38.0	38.3	38.7	39.0
Nominal Power Current - $I_{MPP}$ (A)	9.55	9.60	9.66	9.71	9.76
Open Circuit Voltage - $V_{OC}$ (V)	44.3	44.6	44.9	45.2	45.5
Short Circuit Current - $I_{SC}$ (A)	10.16	10.19	10.21	10.23	10.26
Panel Efficiency (%)	20.6	20.9	21.2	21.4	21.7

Values at standard test conditions (STC: air mass AM1.5, irradiance 10.75 W/sq ft (1000 W/m<sup>2</sup>), temperature 77°F (25°C), based on a production spread with a tolerance of  $V_{OC}$  &  $I_{SC}$  ±3% within one watt class. \* Where xxx indicates the nominal power class ( $P_{MPP}$ ) at STC above.

## ELECTRICAL DATA @ NMOT

### Product Code\*: RECxxxAA

Nominal Power - $P_{MPP}$ (Wp)	272	276	279	284	287
Nominal Power Voltage - $V_{MPP}$ (V)	35.3	35.5	35.8	36.2	36.5
Nominal Power Current - $I_{MPP}$ (A)	7.71	7.75	7.80	7.84	7.88
Open Circuit Voltage - $V_{OC}$ (V)	41.4	41.7	42.0	42.3	42.5
Short Circuit Current - $I_{SC}$ (A)	8.21	8.23	8.25	8.26	8.29

Nominal module operating temperature (NMOT: air mass AM1.5, irradiance 800 W/m<sup>2</sup>, temperature 68°F (20°C), windspeed 3.3 ft/s (1 m/s).

\* Where xxx indicates the nominal power class ( $P_{MPP}$ ) at STC above.

## CERTIFICATIONS



## WARRANTY

- 20 year product warranty
  - 25 year linear power output warranty
  - Maximum annual power degradation of 0.25% p.a.
  - Guarantees 92% of power after 25 years
- See warranty conditions for further details.

## GENERAL DATA

Cell type:	120 half-cut n-type mono cells with REC heterojunction cell technology 6 strings of 20 cells in series
Glass:	0.13 in (3.2 mm) solar glass with anti-reflection surface treatment
Backsheet:	Highly resistant polymeric construction
Frame:	Anodized aluminum (black)
Junction box:	3-part, 3 bypass diodes, IP67 rated in accordance with IEC 62790
Cable:	12 AWG (4 mm <sup>2</sup> ) PV wire, 39 + 47 in (1 + 1.2 m) in accordance with EN 50618
Connectors:	Stäubli MC4PV-KBT4/KST4, 12 AWG (4 mm <sup>2</sup> ) in accordance with IEC 62852 IP68 only when connected
Origin:	Made in Singapore

## MECHANICAL DATA

Dimensions:	67.8 x 40 x 1.2 in (1721 x 1016 x 30 mm)
Area:	18.8 sq ft (1.75 m <sup>2</sup> )
Weight:	43 lbs (19.5 kg)

## MAXIMUM RATINGS

Operational temperature:	-40 ... +85°C
Maximum system voltage:	1000 V
Design load (+): snow	4666 Pa (97.5 lbs/sq ft)*
Maximum test load (+):	7000 Pa (146 lbs/sq ft)*
Design load (-): wind	2666 Pa (55.6 lbs/sq ft)*
Maximum test load (-):	4000 Pa (83.5 lbs/sq ft)*
Max series fuse rating:	25 A
Max reverse current:	25 A

\* Calculated using a safety factor of 1.5  
\* See installation manual for mounting instructions

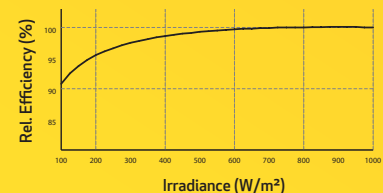
## TEMPERATURE RATINGS\*

Nominal Module Operating Temperature:	44°C (±2°C)
Temperature coefficient of $P_{MPP}$ :	-0.26 %/°C
Temperature coefficient of $V_{OC}$ :	-0.24 %/°C
Temperature coefficient of $I_{SC}$ :	0.04 %/°C

\* The temperature coefficients stated are linear values

## LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:



Founded in Norway in 1996, REC is a leading vertically integrated solar energy company. Through integrated manufacturing from silicon to wafers, cells, high-quality panels and extending to solar solutions, REC provides the world with a reliable source of clean energy. REC's renowned product quality is supported by the lowest warranty claims rate in the industry. REC is a Bluestar Elkem company with headquarters in Norway and operational headquarters in Singapore. REC employs around 2,000 people worldwide, producing 1.5 GW of solar panels annually.



www.recgroup.com

24

# HISTORIC AREA WORK PERMIT CHECKLIST OF APPLICATION REQUIREMENTS

	Required Attachments						
Proposed Work	I. Written Description	2. Site Plan	3. Plans/ Elevations	4. Material Specifications	5. Photographs	6. Tree Survey	7. Property Owner Addresses
New Construction	*	*	*	*	*	*	*
Additions/ Alterations	*	*	*	*	*	*	*
Demolition	*	*	*		*		*
Deck/Porch	*	*	*	*	*	*	*
Fence/Wall	*	*	*	*	*	*	*
Driveway/ Parking Area	*	*		*	*	*	*
Grading/Excavation/ Landscaping	*	*		*	*	*	*
Tree Removal	*	*		*	*	*	*
Siding/ Roof Changes	*	*	*	*	*		*
Window/ Door Changes	*	*	*	*	*		*
Masonry Repair/ Repoint	*	*	*	*	*		*
Signs	*	*	*	*	*		*

**Fwd: Solar permit request**

1 message

**Zachary Hare** <zac@luminasolar.com>  
To: Aaron Williams <awilliams@fusionss.net>

Tue, Jan 5, 2021 at 4:03 PM

abutting on the left of the Wallstens

**Zac Hare**

*Director of Sales, MD*  
301.697.1837  
[luminasolar.com](http://luminasolar.com)

3600 Commerce Dr., Ste 601  
Baltimore, MD 21227

**Leave us a Review!**

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[SolarReviews - Lumina Solar](#)  
[Facebook - Lumina Solar](#)  
[Energysage - Lumina Solar](#)  
[Home Advisor - Lumina Solar](#)

----- Forwarded message -----

From: **Jen Sermoneta** <[jen.sermoneta@gmail.com](mailto:jen.sermoneta@gmail.com)>  
Date: Tue, Jan 5, 2021 at 12:42 PM  
Subject: Re: Solar permit request  
To: Leah Curry-Rood <[leahcrood@gmail.com](mailto:leahcrood@gmail.com)>, Scott Wallsten <[scott.wallsten@gmail.com](mailto:scott.wallsten@gmail.com)>, [zac@luminasolar.com](mailto:zac@luminasolar.com) <[zac@luminasolar.com](mailto:zac@luminasolar.com)>

Thanks Leah! Yeah, they always told us that in the past too. Maybe it's your time now— that would be a silver lining I guess.

Jen

On Tue, Jan 5, 2021 at 12:17 PM Leah Curry-Rood <[leahcrood@gmail.com](mailto:leahcrood@gmail.com)> wrote:

Jen and Scott,

What a GRAND idea!! You have our blessings and congratulations . We have always wanted to do solar panels and have always been told we have too many trees in the back yard. Last summer , (2019) we lost 3 big white oaks. Sad, but we might be able to have them now. Perhaps we should talk with Zac. I think we should wait until spring to revisit the idea.

Glad to hear you're taking the plunge.

Leah

Leah Curry-Rood

On Jan 4, 2021, at 9:49 PM, Jen Sermoneta <[jen.sermoneta@gmail.com](mailto:jen.sermoneta@gmail.com)> wrote:Dear Leah and Chip of [5 Montgomery Ave Takoma Park, MD](#),

Happy New Year! Let's hope it's a better one!

Scott and I have signed up to have 17 solar panels installed on our roof (hooray!). Most will be facing away from Montgomery Ave, although some will be on the eastern roof, facing west.

We are working with Zac Hare at Lumina, cc'd here. Zac and Lumina are wading through the Historic Commission Process to get the Historic Area Work Permit. We want to make sure that, as our immediate neighbors, you know we are doing this. We **would be very grateful if you could reply-all (to include Zac) to this email saying that you approve of our getting the solar panels.**

If you have any questions, please feel free to contact me or Zac of Lumina Solar, who is cc'd on this email (and has been great to work with if you are looking into solar!).

Thank you so much.

best to you,

Jen

--

---

Jen Sermoneta, PsyD  
Pronouns: She/Her  
[Licensed Psychologist, Takoma Park, MD](#)  
Cell/Text: (202) 415-6414

---

Please remember that email is not a secure medium.

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Jen Sermoneta, PsyD  
Pronouns: She/Her  
[Licensed Psychologist, Takoma Park, MD](#)  
Cell/Text: (202) 415-6414

---

Please remember that email is not a secure medium.

**Fwd: Solar permission**

1 message

**Zachary Hare** <zac@luminasolar.com>  
To: Aaron Williams <awilliams@fusionss.net>

Tue, Jan 5, 2021 at 4:01 PM

Andalmans at 6 Montgomery ave confronting diagonally from the Wallstens

**Zac Hare**

*Director of Sales, MD*  
301.697.1837  
[luminasolar.com](http://luminasolar.com)

3600 Commerce Dr., Ste 601  
Baltimore, MD 21227

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----- Forwarded message -----

From: **Martha Bergmark** <[marthabergmark@gmail.com](mailto:marthabergmark@gmail.com)>  
Date: Tue, Jan 5, 2021 at 10:50 AM  
Subject: Re: Solar permission  
To: Jen Sermoneta <[jen.sermoneta@gmail.com](mailto:jen.sermoneta@gmail.com)>  
Cc: Elliott Andelman <[eandelman@gmail.com](mailto:eandelman@gmail.com)>, Martha Bergmark <[marthabergmark@gmail.com](mailto:marthabergmark@gmail.com)>, Scott Wallsten <[scott.wallsten@gmail.com](mailto:scott.wallsten@gmail.com)>, <[zac@luminasolar.com](mailto:zac@luminasolar.com)>

We approve! Thanks for keeping us posted. Martha and Elliott

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**From:** "Jen Sermoneta" <[jen.sermoneta@gmail.com](mailto:jen.sermoneta@gmail.com)>  
**To:** "Elliott Andelman" <[eandelman@gmail.com](mailto:eandelman@gmail.com)>, "Martha Bergmark" <[marthabergmark@gmail.com](mailto:marthabergmark@gmail.com)>, "Scott Wallsten" <[scott.wallsten@gmail.com](mailto:scott.wallsten@gmail.com)>, [zac@luminasolar.com](mailto:zac@luminasolar.com)  
**Sent:** Monday, January 4, 2021 10:33:55 PM  
**Subject:** Solar permission

Hi Martha and Elliott of [6 Montgomery Ave Takoma Park, MD](#),

Happy New Year — Here's to a better one!

Scott and I have signed up to have 17 solar panels installed on our roof (hooray!). Most will be facing away from Montgomery Ave, although some will be on the eastern roof, facing west.

We are working with Zac Hare at Lumina, cc'd here. Zac and Lumina are wading through the Historic Commission Process to get the Historic Area Work Permit. We want to make sure that, as our immediate neighbors, you know we are doing this. **We would be very grateful if you could reply-all (to include Zac) to this email saying that you approve of our getting the solar panels.**

If you have any questions, please feel free to contact me or Zac of Lumina Solar, who is cc'd on this email (and has been great to work with if you are looking into more solar, though I think you already have it!).

Thank you so much.

best to you,

Jen

--



-----  
Jen Sermoneta, PsyD  
Pronouns: She/Her  
[Licensed Psychologist, Takoma Park, MD](#)  
Cell/Text: (202) 415-6414  
-----

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**Fwd: Solar panels permission**

1 message

**Zachary Hare** <zac@luminasolar.com>  
To: Aaron Williams <awilliams@fusionss.net>

Tue, Jan 5, 2021 at 4:00 PM

Sending you 4 emails with neighbor approvals for Wallsten. I think the deadline is tomorrow right.  
This one is for 10 Pine Ave confronting directly across the street

**Zac Hare**

*Director of Sales, MD*  
301.697.1837  
[luminasolar.com](http://luminasolar.com)

3600 Commerce Dr., Ste 601  
Baltimore, MD 21227

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On Tue, Jan 5, 2021 at 1:26 PM Hugh Taft-Morales <[hughtm@gmail.com](mailto:hughtm@gmail.com)> wrote:  
Yes, Jen, Maureen and I approve of your plan for getting solar panels!

Hugh

On Mon, Jan 4, 2021 at 9:44 PM Jen Sermoneta <[jen.sermoneta@gmail.com](mailto:jen.sermoneta@gmail.com)> wrote:  
Dear Maureen and Hugh of [10 Pine Ave Takoma Park, MD](#),

Happy New Year! I sure missed Joe and Lane's party this year... I hope you're doing well.

Scott and I have signed up to have 17 solar panels installed on our roof (hooray!). Most will be facing away from Montgomery Ave, although some will be on the eastern roof, facing west.

We are working with Zac Hare at Lumina, cc'd here. Zac and Lumina are wading through the Historic Commission Process to get the Historic Area Work Permit. We want to make sure that, as our immediate neighbors, you know we are doing this. We would be very grateful if you could reply-all (to include Zac) to this email saying that you approve of our getting the solar panels.

If you have any questions, please feel free to contact me or Zac of Lumina Solar, who is cc'd on this email (and has been great to work with if you are looking into solar!).

Thank you so much.

best to you,

Jen

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Jen Sermoneta, PsyD  
Pronouns: She/Her  
[Licensed Psychologist, Takoma Park, MD](#)  
Cell/Text: (202) 415-6414  
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Hugh Taft-Morales  
Ethical Humanist Leader in Baltimore and Philadelphia  
American Ethical Union  
*preferred pronouns: he, him, his*  
301-580-1481

**Fwd: Solar permission question**

1 message

**Zachary Hare** <zac@luminasolar.com>  
To: Aaron Williams <awilliams@fusionss.net>

Tue, Jan 5, 2021 at 4:02 PM

abutting across the street to the right of the Wallstens

**Zac Hare**

*Director of Sales, MD*  
301.697.1837  
[luminasolar.com](http://luminasolar.com)

3600 Commerce Dr., Ste 601  
Baltimore, MD 21227

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----- Forwarded message -----

From: **Lynne d'Eustachio** <[lynnedeu@msn.com](mailto:lynnedeu@msn.com)>  
Date: Tue, Jan 5, 2021 at 8:37 AM  
Subject: Re: Solar permission question  
To: Jen Sermoneta <[jen.sermoneta@gmail.com](mailto:jen.sermoneta@gmail.com)>, Scott Wallsten <[scott.wallsten@gmail.com](mailto:scott.wallsten@gmail.com)>, [zac@luminasolar.com](mailto:zac@luminasolar.com) <[zac@luminasolar.com](mailto:zac@luminasolar.com)>

Hi Jen and Scott of [19 Pine Ave Takoma Park, MD](#),

A very Happy New Year to you both too! We are both well and feeling grateful for that. Gemma, our paramedic/firefighter daughter, received the vaccine this week and we are very relieved about that.

We approve of the solar panels - what a great thing to do.

Take care,

Lynne

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**From:** Jen Sermoneta <[jen.sermoneta@gmail.com](mailto:jen.sermoneta@gmail.com)>  
**Sent:** Monday, January 4, 2021 9:46 PM  
**To:** Scott Wallsten <[scott.wallsten@gmail.com](mailto:scott.wallsten@gmail.com)>; lynne d'Eustachio <[lynnedeu@msn.com](mailto:lynnedeu@msn.com)>; [zac@luminasolar.com](mailto:zac@luminasolar.com) <[zac@luminasolar.com](mailto:zac@luminasolar.com)>  
**Subject:** Solar permission question

Dear Lynne and Paul,

Happy New Year! I hope you're doing ok.

Scott and I have signed up to have 17 solar panels installed on our roof (hooray!). Most will be facing away from Montgomery Ave, although some will be on the eastern roof, facing west.

We are working with Zac Hare at Lumina, cc'd here. Zac and Lumina are wading through the Historic Commission Process to get the Historic Area Work Permit. We want to make sure that, as our immediate neighbors, you know we are doing this. **We would be very grateful if you could reply-all (to include Zac) to this email saying that you approve of our getting the solar panels.**

If you have any questions, please feel free to contact me or Zac of Lumina Solar, who is cc'd on this email (and has been great to work with if you are looking into solar!).

Thank you so much.

best to you,

Jen

--

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Jen Sermoneta, PsyD

Pronouns: She/Her

[Licensed Psychologist, Takoma Park, MD](#)

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