AGENDA
TOWN OF PITTSFORD
ZONING BOARD OF APPEALS
NOVEMBER 17, 2025

This agenda is subject to change.

Please take notice that the Town of Pittsford Zoning Board of Appeals will hold the following meeting on Monday, November 17, 2025, in the Lower-Level Meeting Room of Pittsford Town Hall, 11 S. Main Street, and beginning at 6:30PM local time.

NEW HEARING

10 Escena Rise – Tax ID 178.03-4-34.1
Applicant is requesting relief from Town Code Section 185-17 E. for the construction of a solar pergola addition not meeting the minimum side setback or total side setback requirements. This property is zoned Residential Neighborhood (RN).

OTHER BUSINESS

Approval of Minutes

The next scheduled meeting is for Monday, December 15, 2025.

Zoning Board of Appeals
Referral Form Information

ZB25-000023

Property Address:
10 Escena Rise PITTSFORD, NY 14534
Property Owner:
Meljul NY, LLC (Michael LaLena & Julie Camardo)
10 Escena Rise
Pittsford, NY 14534
Present Zoning of Property: Residential Neighborhood RN
Area Variance - Residential and Non-Profit

Town Code Requirement is:		**Proposed Conditions:**		**Resulting in the Following Variance:**	
Right Lot Line:	0	Right Lot Line:	0	Right Lot Line:	0.0
Left Lot Line:	20	Left Lot Line:	15	Left Lot Line:	5.0
Total Side Setback:	90	Total Side Setback:	54.8	Total Side Setback:	35.2
Rear Setback:	0	Rear Setback:	0	Rear Setback:	0.0
Height:	0	Height:	0	Height:	0.0
Size:	0	Size:	0	Size:	0.0

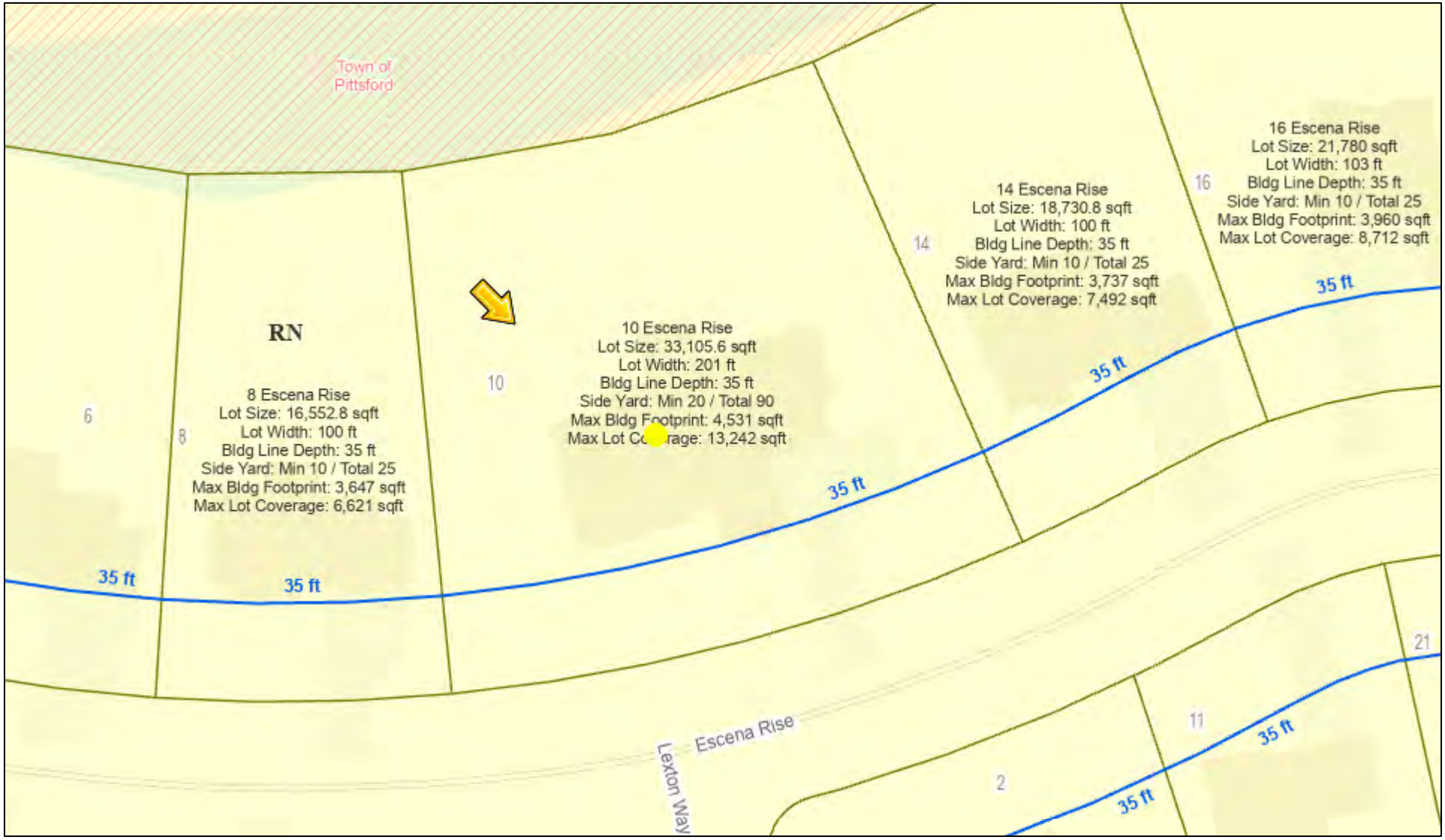
Code Section: Applicant is requesting relief from Town Code Section 185-17 E. for the construction of a solar pergola addition not meeting the minimum side setback or total side setback requirements. This property is zoned Residential Neighborhood (RN).

Staff Notes: This neighborhood cannot have detached structures per the deed restrictions, so the only option to install solar is on the roof. The applicant claims the roof is in poor condition and cannot be fit with solar panels.

October 21, 2025 — ARZ

Date — April Zurowski -

10 Escena Rise



10/21/2025, 11:29:37 AM

1:841

0 0.005 0.01 0.02 mi

0 0.01 0.02 0.04 km

Town of Pittsford GIS


4
6
6
8
8
10
10
14
14
16
16
Escema Rise
11
Mon Sep 1 2025
Imagery © 2025 Nearmap, HERE
20 ft
Nearmap

April's Review Copy

ZB25-000023

TOWN OF PITTSFORD
ZONING BOARD OF APPEALS
APPLICATION FOR AREA VARIANCE

Submission Date: 10/14/25 **Hearing Date:** 11/17/25

Applicant: Michael LaLena (Husband of Julie Camardo)

Address: 10 Escena Rise Pittsford, NY 14534

Phone: [redacted] E-Mail: [redacted]

Agent: _____ *(if different than Applicant)*

Address: _____

Phone: _____ E-Mail: _____

RECEIVED
OCT 14 2025
TOWN OF PITTSFORD

Property Owner: Julie Camardo *(if different than Applicant)*

Address: 10 Escena Rise Pittsford, NY 14534

Phone: [redacted] E-Mail: [redacted]

(If applicant is not the property owner please complete the Authorization to Make Application Form.)

Property Location: 10 Escena Rise Current Zoning: RN Residential Neighborhood

Tax Map Number: 178.03-4-34.1

Application For: ☑ **Residential** ☐ **Commercial** ☐ **Other**

Please describe, in detail, the proposed project:

A 53' x 14' pavilion using 28 solar panels as the roof of the pavilion.
The pavilion roof faces East & West, from 7' high at the ends to 10' 6" high at the peak.
The pavilion would run along the West side of the existing pool / patio to provide an area of shade in the afternoon / evening.
The paviion will connect to the home with a 10' x 29' lean-to pergola, starting by the basement level sliding glass door with a 10x9 connecting section between the two.

SWORN STATEMENT: As applicant or legal agent for the above described property, I do hereby swear that all statements, descriptions, and signatures appearing on this form and all accompanying materials are true and accurate to the best of my knowledge.

_____ _____
(Owner or Applicant Signature) *(Date)*

185.17 E. minimum side setback
185.17 E. total side setback

TOWN OF PITTSFORD

AREA VARIANCE AUTHORIZATION TO MAKE APPLICATION

Zoning Board of Appeals – 11 S. Main Street – Pittsford, 14534 – 248-6260

If the applicant is not the owner of the subject property, this form must be completed and signed by the owner.

I, Julie Camardo, the owner of the property located at:

10 Escena Rise (*Street*) Pittsford, NY (*Town*) 14534 (*Zip*)

Tax Parcel # 178.03-4-34.1 do hereby authorize

Michael LaLena to make application to the

Town of Pittsford Zoning Board of Appeals, 11 South Main Street, Pittsford, NY 14534 for the purpose(s) of

installing a pavilion with solar panels

Julie Camardo
(Signature of Owner)

10/02/2025
(Date)

NEW YORK STATE
STANDARDS FOR THE GRANTING OF AREA VARIANCES TOWN LAW SECTION § 267-b-3(b).

TESTS FOR GRANTING AREA VARIANCES

In making its determination, the zoning board of appeals shall take into consideration the benefit to the applicant if the variance is granted, as weighed against the detriment to the health, safety and welfare of the neighborhood or community by such grant. In making such determination, the board shall also consider the following:

(Please answer the following questions to the best of your knowledge)

1. Please explain why you feel the requested variance will not produce an undesirable change in the character of the neighborhood and why a detriment to nearby properties will not be created by the granting of this area variance:

For street visibility, the home has a walk out basement with a 10' drop from the front yard to the back yard, partially obscuring the 10.5' addition in the back yard.
For rear visibility, there is evergreen and other trees and high underbrush all around the retention pond that is directly behind the home. These trees are more than 20' tall and well above the height of the proposed addition, blocking the view from the rear.
For the side of the home that the addition is near, there is an existing 6' tall vinyl fence that will partially obstruct the structure.

2. Please explain the reasons why the benefit sought by the owner/applicant cannot be achieved by some method other than an area variance:

Following the code change in May, the addition does not meet the minimum or total setback requirements for my lot. I do not wish to place the structure on the East side of the lot because my family uses that wide open yard for family activities.

TESTS FOR GRANTING AREA VARIANCES (Continued)

3. Please explain whether the requested area variance is minimal or substantial:

Setbacks are minimum of 20 feet from side and a total of 90 feet on both sides. I am requesting 15 feet setback on one side with a total setback of 54.8 feet.
This variance is minimal as:
- The addition complies with original setback of 7 feet when the home was built in 2016.
- The structure is located at the back corner of a lot where it is partially obscured by fencing, trees, and the lower elevation in the back yard.

4. Please explain why you feel the requested area variance will not have an adverse effect or impact on the physical or environmental condition in the neighborhood or zoning district:

Aside from the posts holding up the structure, the only visible and physical impact is the roof of the addition.
Solar panels obviously have a positive environmental impact and will lower utility bills.
The metal roof on the other structures will be black to match the solar panels.
Installing the panels on a pavilion eliminates issues with solar panels being installed on contractor grade shingles that will need to be replaced soon.

- **NOTE:** ***Consideration of the following question shall be relevant to the decision of the Zoning Board of Appeals, but shall not necessarily preclude the granting of an area variance;***

5. Is the alleged difficulty self-created?

No. Installing a pergola on the East side of the pool would not provide any shade around the pool during the hours that a pool would typically be used.
It would also unnecessarily move the solar panels further into the shade and another 50' away from the main electrical panel with most of the cable run above ground due to existing concrete / paver landscaping.

Disclosure Form E

STATE OF NEW YORK
COUNTY OF MONROE

TOWN OF PITTSFORD

In the Matter of

Pavilion addition with Solar Panel Roof at 10 Escena Rise
(Project Name)

The undersigned, being the applicant(s) to the…

☐ **Town Board** ☑ **Zoning Board of Appeals** ☐ **Planning Board** ☐ **Architectural Review Board**

…of the Town of Pittsford, for a…

☐ **change of zoning** ☐ **special permit** ☐ **building permit** ☐ **permit** ☐ **amendment**

☑ **variance** ☐ **approval of a plat** ☐ **exemption from a plat or official map**

…issued under the provisions of the Ordinances, Local Laws, Rule or Regulations constituting the zoning and planning ordinances regulations of the Town of Pittsford, do hereby certify that I have read the provisions of Section §809 of the General Municipal Law of the State of New York attached to this certificate.

I do further certify that there is no officer of the State of New York, the County of Monroe or of the Town of Pittsford or of any other municipality of which the Town of Pittsford is a part who is interested in the favorable exercise of discretion by said Board as to this application, except for those named below:

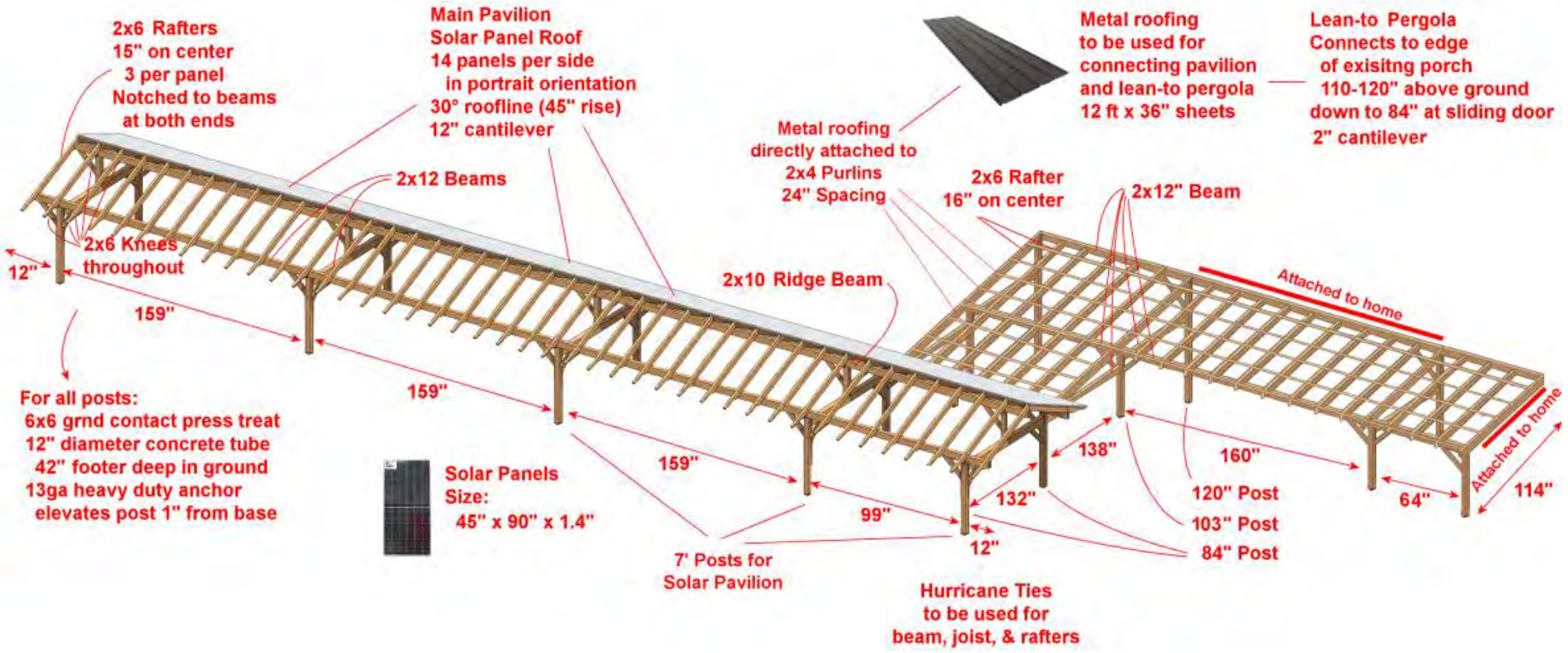
Name(s)	Address(es)

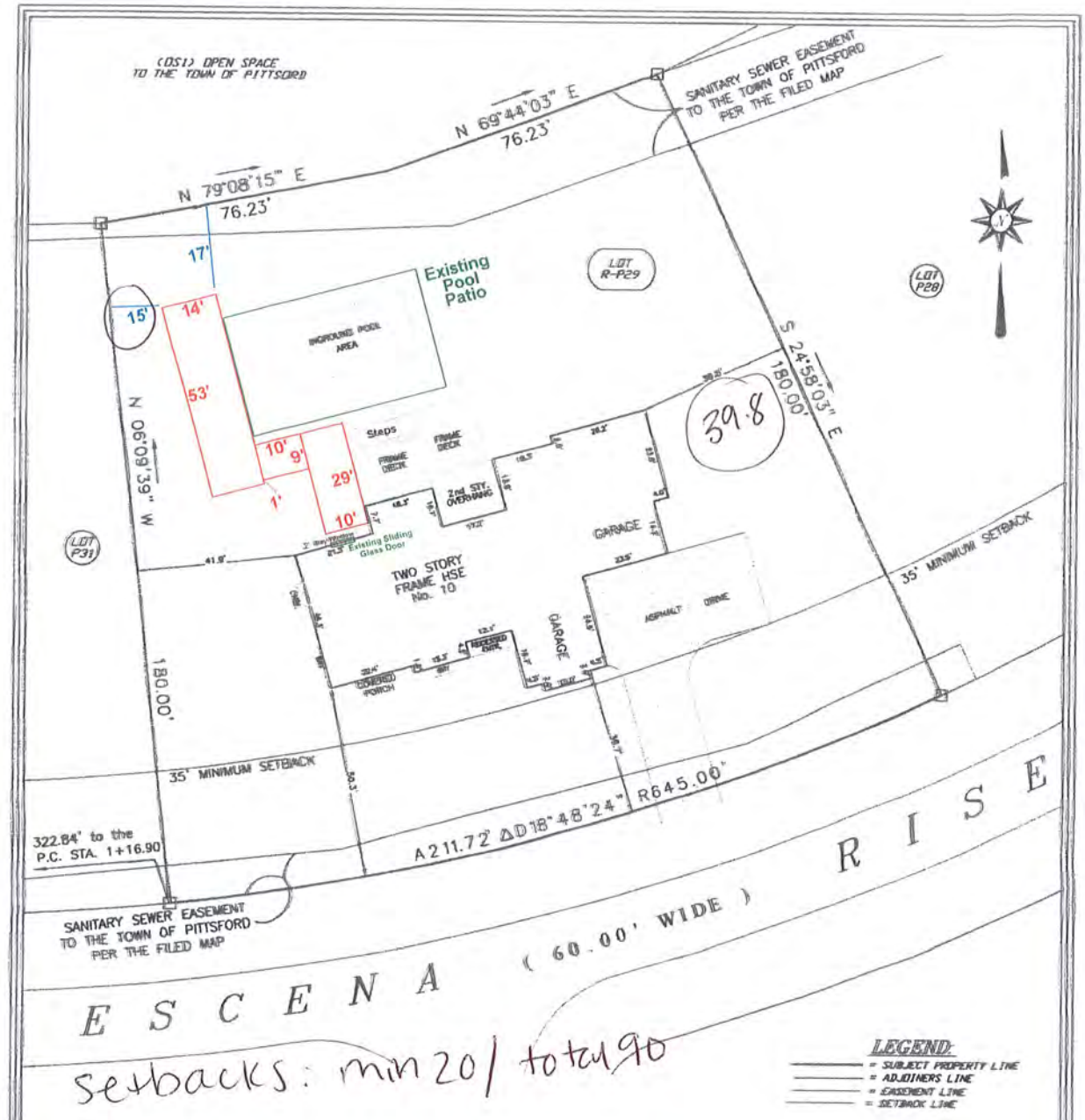
Michael LaLena
(Signature of Applicant)

October 2, 2025
(Dated)

10 Escena Rise
(Street Address)

Pittsford, NY 14534
(City/Town, State, Zip Code)


2x6 Rafters
15" on center
3 per panel
Notched to beams
at both ends
Main Pavilion
Solar Panel Roof
14 panels per side
in portrait orientation
30° roofline (45" rise)
12" cantilever
2x12 Beams
2x6 Knees
throughout
12"
159"
159"
159"
159"
For all posts:
6x6 grnd contact press treat
12" diameter concrete tube
42" footer deep in ground
13ga heavy duty anchor
elevates post 1" from base
Solar Panels
Size:
45" x 90" x 1.4"
7' Posts for
Solar Pavilion
99"
12"
Hurricane Ties
to be used for
beam, joist, & rafters
Metal roofing
directly attached to
2x4 Purlins
24" Spacing
Metal roofing
to be used for
connecting pavilion
and lean-to pergola
12 ft x 36" sheets
Lean-to Pergola
Connects to edge
of exisitng porch
110-120" above ground
down to 84" at sliding door
2" cantilever
2x6 Rafter
16" on center
2x12" Beam
2x10 Ridge Beam
Attached to home
138"
160"
132"
120" Post
103" Post
84" Post
64"
Attached to home
114"



setbacks: min 20/ total 90

LEGEND

- = SUBJECT PROPERTY LINE
- = ADJOINERS LINE
- = EASEMENT LINE
- = SETBACK LINE

REFERENCES:

1. MAP OF THE WILSHIRE HILL SUBDIVISION, SECTION 1 AS FILED IN THE MONROE COUNTY CLERK'S OFFICE IN LIBER 347 OF MAPS, PAGE 61.
2. LIBER 11339 OF DEEDS, PAGE 169 AND LIBER 11339 OF DEEDS, PAGE 174 & LIBER 11339 OF DEEDS, PAGE 177.
3. SUBJECT TO THE DECLARATION OF RESTRICTIVE COVENANTS PER LIBER 11535 OF DEEDS, PAGE 407.
4. RESUBDIVISION MAP OF LOTS P29 & P30 OF THE WILSHIRE HILL SUBDIVISION, SECTION 1 AS FILED IN THE MONROE COUNTY CLERK'S OFFICE IN LIBER 352 OF MAPS, PAGE 100.

MAP OF AN INSTRUMENT SURVEY OF

No. 10 ESCENA RISE

BEING

LOT No. R-P29 of the WILSHIRE HILL RE-SUBDIVISION of SECTION 1

SITUATE IN

COUNTY OF MONROE — **TOWN OF PITTSFORD** — **STATE OF NEW YORK**

SCALE 1 INCH = 30 FEET

GROVER & BATES ASSOCIATES
484 EAST AVENUE, SUITE 1
EAST ROCHESTER, NEW YORK
585-381-6621

DATE: JUNE 21, 2017

CERTIFICATIONS LISTED HEREON SIGNIFY THAT THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE G.V.L.S.A. AND THE MONROE

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.

WE, GROVER & BATES ASSOCIATES DO HEREBY CERTIFY TO THE FOLLOWING;

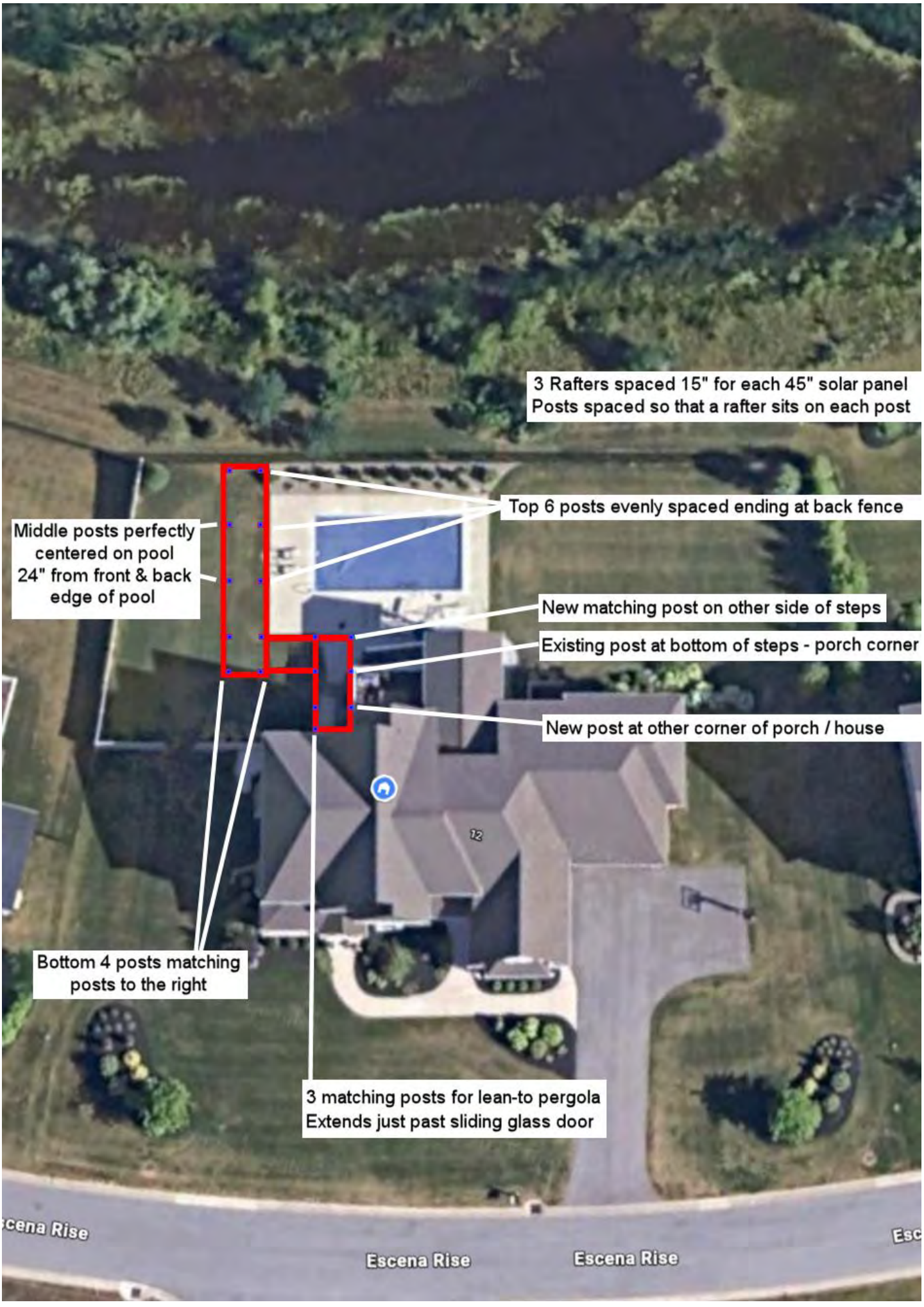
1.

THAT THIS MAP WAS MADE FROM NOTES OF AN INSTRUMENT SURVEY COMPLETED ON JUNE 18, 2017.

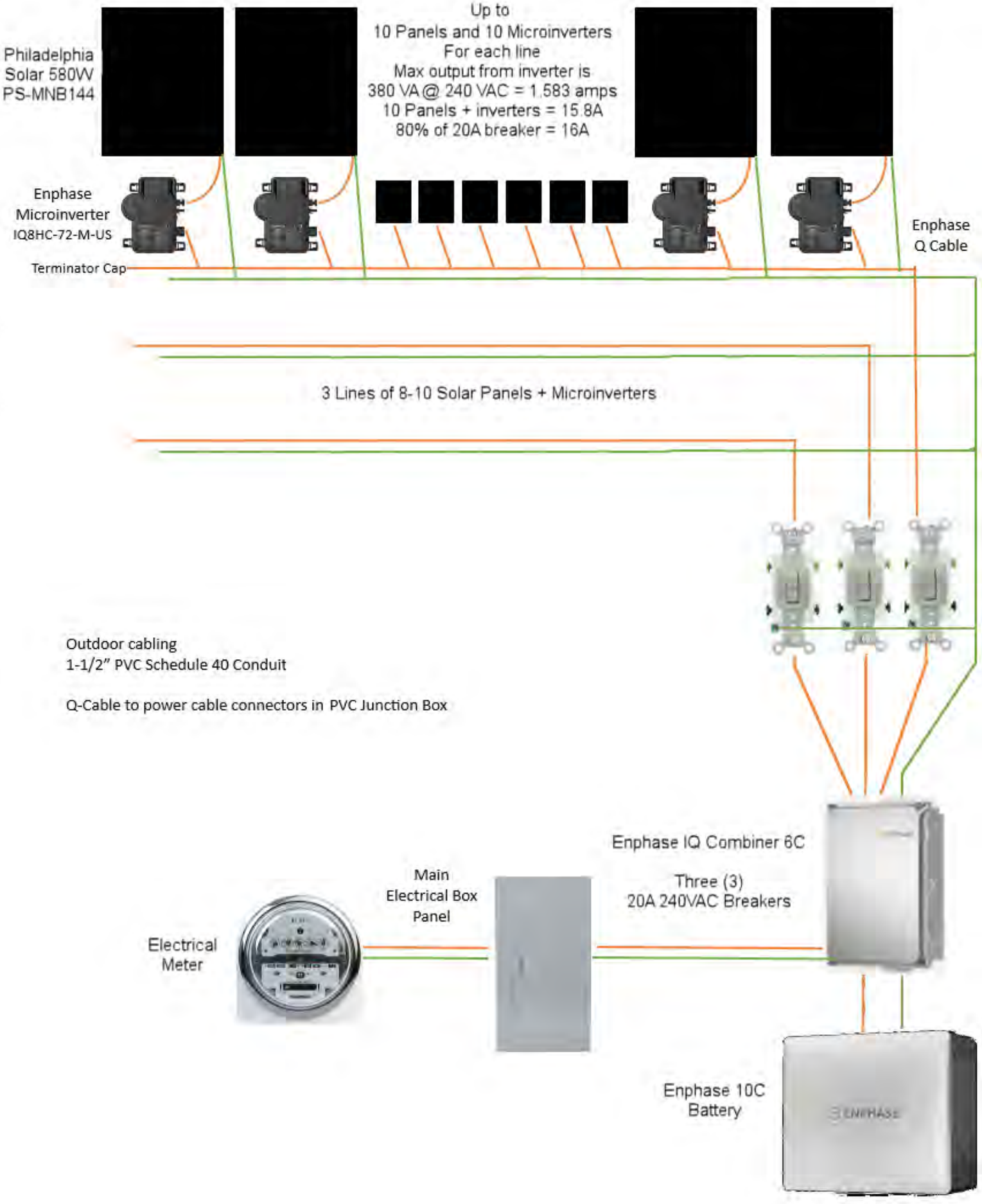
STATE OF NEW YORK
JAMES E. BATES, Jr.
No. 49464
Licensed Land Surveyor

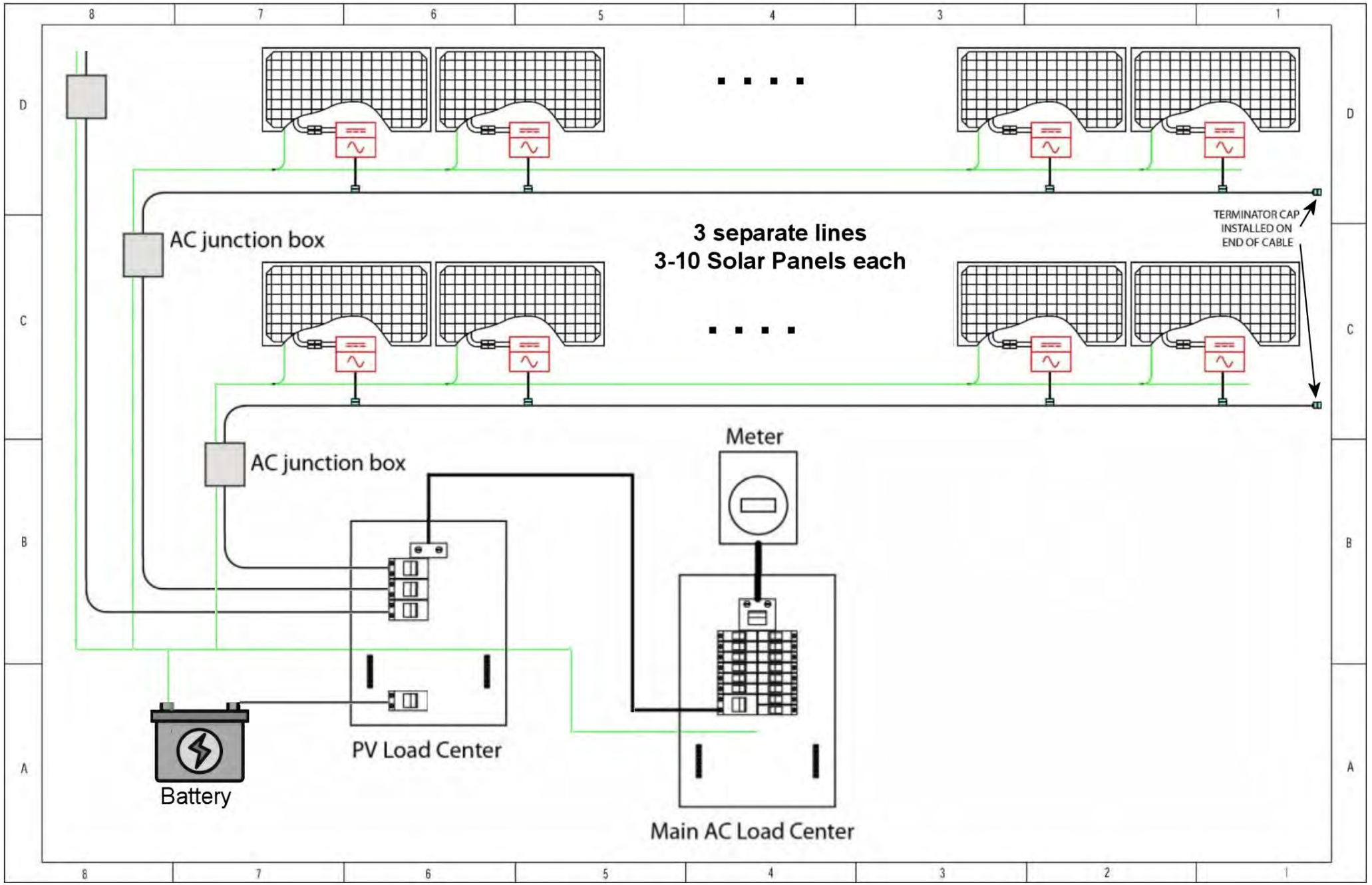
JAMES E. BATES, Jr. LICENSE No. 49464

JOB No. 13-R217

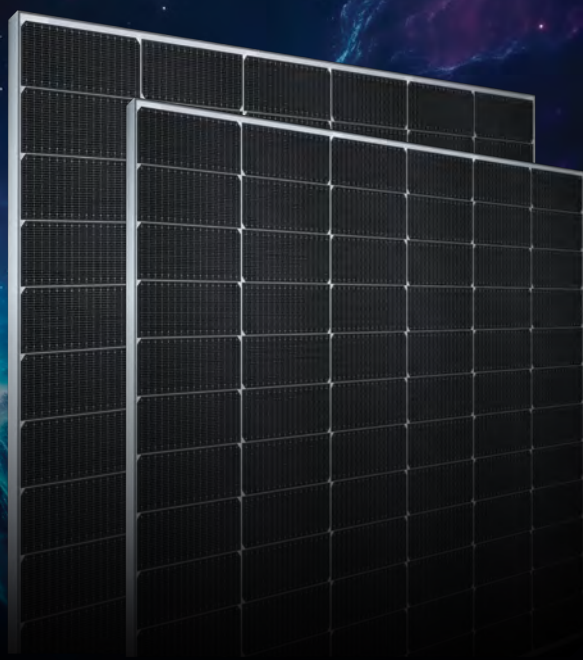

3 Rafters spaced 15" for each 45" solar panel
Posts spaced so that a rafter sits on each post
Top 6 posts evenly spaced ending at back fence
Middle posts perfectly centered on pool 24" from front & back edge of pool
New matching post on other side of steps
Existing post at bottom of steps - porch corner
New post at other corner of porch / house
Bottom 4 posts matching posts to the right
3 matching posts for lean-to pergola
Extends just past sliding glass door
Escena Rise
Escena Rise
Escena Rise


Elevated view from Mendon Center Road
Homes on this side are not elevated, but below our home


Philadelphia
Solar 580W
PS-MNB144
Up to
10 Panels and 10 Microinverters
For each line
Max output from inverter is
380 VA @ 240 VAC = 1.583 amps
10 Panels + inverters = 15.8A
80% of 20A breaker = 16A
Enphase
Microinverter
IQ8HC-72-M-US
Terminator Cap
Enphase
Q Cable
3 Lines of 8-10 Solar Panels + Microinverters
Outdoor cabling
1-1/2" PVC Schedule 40 Conduit
Q-Cable to power cable connectors in PVC Junction Box
Enphase IQ Combiner 6C
Three (3)
20A 240VAC Breakers
Main
Electrical Box
Panel
Electrical
Meter
Enphase 10C
Battery
ENPHASE


AC junction box
3 separate lines
3-10 Solar Panels each
TERMINATOR CAP
INSTALLED ON
END OF CABLE
AC junction box
Meter
PV Load Center
Battery
Main AC Load Center

PHILADELPHIA SOLAR
DELIVERING CLEAN ENERGY SOLUTIONS



NEXUS

PS-MNB144(HCBF)-xxxW

Half-Cell N-Type 16BB Bifacial Module

570 - 590 Watt

Positive power tolerance of 0 ~+3%

Philadelphia Solar's Mono-Crystal-line N-type modules with power up to **590Wp** are produced using the state-of-the-art (automated) robotic production lines. These modules are suitable to be used for most electrical power applications and have excellent durability to prevailing weather conditions

CERTIFICATIONS

UL 61215 /IEC 61215 : 2021
UL 61730 / IEC 61730 : 2022
CSA C22.2#61730:2019
EN ISO 9001: 2015
Quality Management System
EN ISO 14001: 2015
Environmental Management System
EN ISO 45001: 2018
Occupational health and safety management systems

TÜV AUSTRIA

Achilles Repro SILVER

ETL C US LISTED Intertek

APPLICATIONS

On-Grid Commercial/ Industrial Roof-Tops

Off-Grid Systems (Including Lighting Systems)

Solar Power Plants

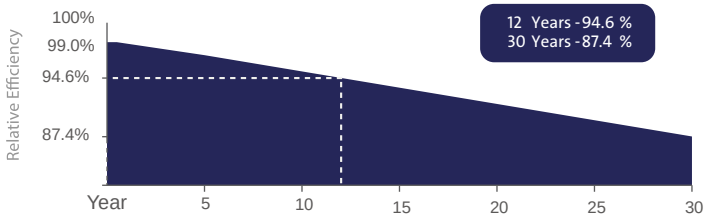
EUPD RESEARCH TOP BRAND PV MODULES 2024

Made In Jordan

FEATURES

- Power output increases by 5-25% from the backside resulting in significantly reduced LCOE and (IRR).
- withstand High Mechincal load : Front (5400 Pascal) Back (2400 Pascal)
- Exceptional Anti-PID performance through the use of optimized mass-production processes and strict materials control.
- Improved light trapping and current collection technology enhance module power output and reliability.
- Less partial shading current mismatch loss so more power output.
- Better temperature coefficients come from half-cell design.

LINEAR PERFORMANCE WARRANTY



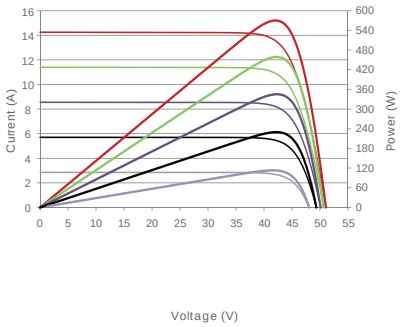
12 Year Product Warranty

30 Year Linear Power Warranty

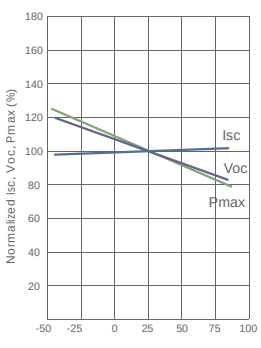
Only **-0.4%** Annual Degradation

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (570W)



Temperature Dependence of Isc,Voc,Pmax



ELECTRICAL CHARACTERISTICS

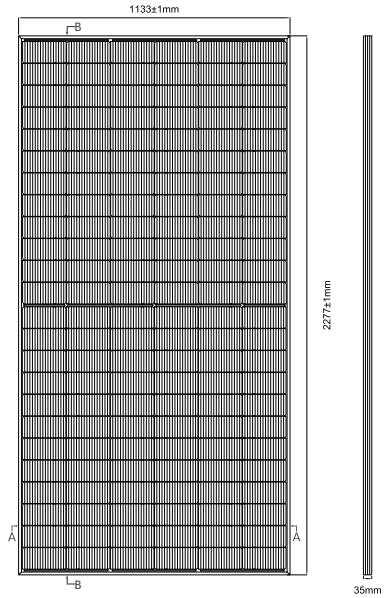
POWER AT STC	570 W	575 W	580 W	585W	590W
Short Circuit Current - Isc (A)	14.02	14.06	14.10	14.14	14.18
Maximum Power Current - Impp (A)	13.25	13.29	13.33	13.37	13.41
Open Circuit Voltage - Voc (V)	51.37	51.51	51.65	51.79	51.93
Maximum Power Voltage - Vmpp (V)	43.15	43.39	43.64	43.89	44.14
Module Efficiency - η' (%)	22.06%	22.25%	22.44%	22.64%	22.83%
Bifaciality Ratio (%)	80%±5				
Power tolerance (%)	0~+3%				

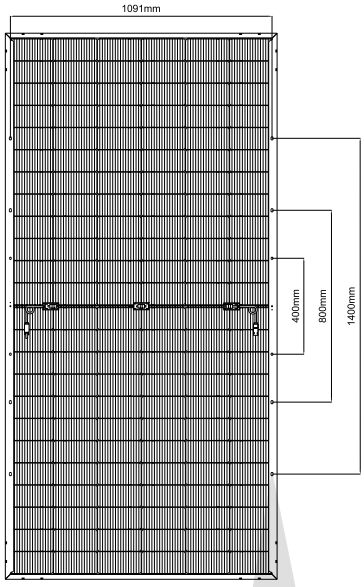
Values at Standard Test Conditions STC (Air Mass AM 1.5 , Irradiance 1000 W/m², Cell Temperature 25° C).

MATERIAL CHARACTERISTICS

Characteristics	Value
Cells per Module	144 (72 x 2)
Cell Type	N Type (TopCon) Mono-Crystalline
Front Surface	3.2mm Tempered AR Coated Glass
Back Cover	Transparent Backsheet
Frame	Anodized Aluminum (Black/Silver)
Junction Box	IP 68 With Original MC4
Cable Length	1200mm Cable length could be customized
Fire Classification	Type 1

MODULE DRAWINGS





THERMAL CHARACTERISTICS

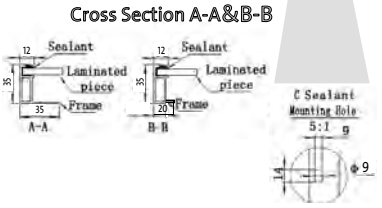
Characteristics	Value
Open Voltage Temperature Coefficient VOC (%/C°)	-0.25
Short Circuit Current Temperature Coefficient ISC (%/C°)	+0.045
Power Temperature Coefficient PMP (%/C°)	-0.29
NOCT (°C)	45±2

OPERATING CONDITIONS

Maximum Sytem Voltage - Vmax (V)	1500
Maximum Series Fuse (A)	30
Operating Temperature Range (°C)	IEC: -40 to +85 UL: -40 to +90

PHYSICAL CHARACTERISTICS

Characteristics	Value
Module Dimensions (mm)	2277 x 1133 x 35
Module Weight (kg)	29 ± 1 Kg
Packaging	**Value**
Modules per Pallet	31
40 Feet High-Cube Container	620 Modules
Mechanical Load**	**Value**
Max Static load (Front)	5400 Pa
Max Static load (Back)	2400 Pa
Dynamic load	1000 Pa



- Tolerance of power Current and Voltage (ISC,VOC)±3 %
- Datasheet is subjected to change without prior notice, always obtain the most recent version of the datasheet.
- ** Caution: For professional use only, the installation and handling of PV modules and cleaning modules require professional skills and should only be performed by qualified professionals, please read the Installation and Operation Manual before using the modules, also Cleaning Guidelines

IQ Combiner 6C

The IQ Combiner 6C consolidates interconnection equipment into a single enclosure, streamlining the installation of IQ Series Microinverters. It integrates the IQ Gateway to offer a consistent, pre-wired solution for residential applications. It includes breaker spaces for PV, battery, EV charger, and an integrated load controller. Additionally, it reduces installation time with integrated and pre-wired current transformers for PV and batteries.

Enphase 15 year limited warranty

Key specifications	
Nominal voltage/Range (L-L)	240 VAC~/±20% Split-phase (L1-L2 240 V, L-N 120 V, 180°)
Nominal frequency/Range	60 Hz/56–63 Hz
Maximum continuous PV current (combined)	80 A
Maximum continuous battery current	2 × 59 A
Maximum continuous EVSE current	1 × 48 A
Maximum continuous integrated load controller current	64 A
Maximum continuous distributed energy resources (DERs) current	160 A
Maximum continuous backfeed current	100 A
Maximum aggregate PV breaker size	Up to 100 A (ships with 60 A pre-installed breaker)[1]
Dimensions (H × W × D)	680 mm (26.8") × 460 mm (18.1") × 220 mm (8.7")
Ambient operating temperature range	–40°C to 46°C (–40°F to 115°F)
Cooling	Solar shield, active air cooling

Smart

- Integrated combiner controller board (CCB) and IQ Gateway.
- Includes Enphase Mobile Connect (CELLMODEM-07-NA).
- Supports flexible networking: Wi-Fi, Ethernet, or cellular.
- Integrated revenue-grade production and storage metering via pre-installed current transformers. Also supports consumption and EV charger monitoring.

Easy

- Pre-installed UL 489 certified device for Rapid Shutdown.
- Single-stud mountable with two screws.
- Supports multiple conduit entry options such as top side right, top side left, bottom side left, bottom side right, bottom rear, and bottom.
- Supports up to five PV branches, two battery circuit breakers and one EVSE circuit breaker.
- Bluetooth-based Wi-Fi provisioning for easy Wi-Fi setup.
- Supports an integrated load controller with up to 80 A using double-pole or quadplex breakers.

Reliable

- Durable NRTL-certified NEMA type 3R enclosure.
- 15-year limited warranty.

[1] Usable as a Rapid Shutdown initiator if the IQ Combiner 6C is installed at a readily accessible outdoor location.

Product details	IQ Combiner 6C
IQ Combiner 6C[2]	IQ Combiner 6C includes the following components: • IQ Gateway for revenue-grade production and storage metering. • Combiner controller board for safety. • Solar shield and fans to enhance thermal performance. • Integrated Rapid Shutdown initiator for outdoor installs. • Integrated and pre-wired current transformers for PV and batteries. • Enphase Mobile Connect cellular modem (CELLMODEM-07-NA). • Integrated load controller, with monitoring and control loads. • Includes three 2 × 20 A breakers for PV and 1 × 40 A breaker for battery.[3]
Model number[4]	X-IQ-AM1-240-6C
Ordering SKU	X-IQ-AM1-240-6C-3BRK[3] X-IQ-AM1-240-6C

What's in the box	
Enclosure	IQ Combiner 6C unit
Enphase Mobile Connect	CELLMODEM-07-NA[5] cellular modem with a 5-year data plan.
Accessory kit	IQ Combiner 6C accessory kit, including labels, control (CTRL) headers, and the quick install guide (QIG).
Aggregate PV breaker	The pre-installed (60 A) UL 489-certified breaker is usable as a rapid shutdown initiator if the IQ Combiner 6C is installed at a readily accessible outdoor location.
Pre-installed breakers	Includes three 2 × 20 A breakers for PV and 1 × 40 A breaker for battery.[3]

Features	
IQ Gateway	The integrated IQ Gateway transmits data from the site, including production and storage metering, IQ EV Charger activity, consumption monitoring, and performance metrics from the IQ Battery and IQ Microinverters to the Enphase Cloud. This monitoring and analysis software enables comprehensive, remote maintenance and management of Enphase systems.
Distributed energy resource (DER) relay	The integrated DER relay isolates home loads from PV systems and batteries. It enables the system to automatically recover the State of Charge (SoC) when the batteries are depleted during off-grid operation.
DER busbar	A 100 A PV busbar (for IQ Microinverters) with support for four double-pole breakers for installing IQ Series Microinverters. A 200 A DER busbar (for PV, batteries, EV charger, and other home loads) with support for four double-pole breakers for installation: • Two for IQ Battery 10C. • One for Enphase EV charger. • One for aggregate PV (integrated rapid shutdown device).
Integrated production metering	Fully integrated meter with solid-core current transformer (CT), accurate up to ±0.5%, ANSI C12.20 class 0.5 compliant. Does not require field wiring.
Integrated battery metering	Fully integrated meter with two solid-core CTs, accurate up to ±0.5%, ANSI C12.20 class 0.5 compliant. Does not require field wiring.
Integrated backfeed monitoring	Fully integrated monitoring using two solid-core CTs, accurate up to ±2.5%. Does not require field wiring.

[2] IQ Combiner 6C is not service-entrance rated. IQ Combiner 6C does not support generator integration and fully off-grid systems (that is, without utility supply).
[3] X-IQ-AM1-240-6C-3BRK includes two pre-installed 20 A breakers for PV circuits and one 40 A breaker for the battery circuit.
[4] The model number is referenced on the product nameplate, Certificate of Compliance, and all official regulatory listings (such as the California Energy Commission). For all interconnection applications and permitting processes, use the model number—not the ordering SKU.
[5] A plug-and-play industrial-grade cell modem for systems of up to 96 microinverters.

Features	
Integrated monitoring in the built-in load controller	Fully integrated monitoring using two solid-core CTs, accurate up to ±0.5%. Does not require field wiring.
EV charger monitoring	Supports monitoring of EV charger; accuracy up to ±2.5%.[6]
Breaker spaces[7]	Up to 4 × 20 A breakers for PV.[8] Up to 1 × 100 A aggregate PV breaker.[9] Up to 2 × 80 A breakers for batteries. Up to 1 × 60 A breaker for IQ EV Charger. Up to 1 × 80 A breaker for integrated load controller.
Rapid Shutdown initiator (options)	Aggregate PV breaker (if the combiner is installed at a readily accessible outdoor location)[10] or External AC disconnect (located outdoors) installed between the IQ Combiner 6C and the backfed panel.[11] or External AC disconnect (located outdoors) on aggregate PV breaker.[12]
Cellular data plan	5-year data plan included.[13]

Electrical specifications	
Nominal voltage/Range (L-L)	240 VAC~/±20% Split-phase (L1-L2 240 V, L-N 120 V, 180° phase angle)
Voltage measurement accuracy	±1% $V_{nominal}$ (±1.2 V L-N and ±2.4 V L-L)
Nominal frequency/Range	60 Hz/56–63 Hz
Maximum continuous PV current	80 A
Maximum continuous battery current	2 × 59 A
Maximum continuous EV charger current	1 × 48 A
Maximum continuous DER current	160 A
Maximum continuous current supported by integrated load controller	64 A
Maximum continuous backfeed current	100 A
Maximum breaker rating for PV branch circuit	20 A
Maximum breaker rating for battery branch circuit	80 A
Maximum breaker rating for EV charger[14]	60 A
Maximum breaker rating for integrated load controller	80 A
Maximum breaker rating for backfeed (breaker located in the backfed panel)	125 A
Maximum short circuit current	10 kA
Maximum rating for aggregate PV breaker	100 A[15]

[6] One CT-200-CLAMP must be purchased separately and installed on the L2 line of the EV charger. Lead wires of the CT must be connected to the IQ Gateway according to the instructions in the QIG.
[7] All breaker spaces are supported with integrated hold-down kit.
[8] Also supports five 20 A PV branches using three double-pole breakers and one quadplex breaker. Refer to the QIG for information about specific spaces that can be used with the quadplex breakers.
[9] Ships with a factory-installed 60 A breaker. The aggregate PV breaker can be used as a PV disconnecting means, if the IQ Combiner 6C is installed outdoors, the aggregate PV breaker can be the Rapid Shutdown initiator.
[10] The pre-installed aggregate PV breaker has been evaluated as the Rapid Shutdown Device (RSD) initiation device and can be used accordingly.
[11] AC disconnect requires a three-pole disconnect with the third pole connected to the AC-sense header on the IQ Combiner 6C.
[12] If placing the AC disconnect inline with the aggregate PV breaker or using a separate panel for PV branch circuits, place the AC disconnect on the aggregate PV feed-in to the IQ Combiner 6C.
[13] Enphase requires Wi-Fi or Ethernet-based internet connectivity for battery systems. A cellular modem is a backup connection for systems with batteries. The cellular modem can be used as the primary internet connection for PV-only systems. However, Enphase recommends connecting Wi-Fi or Ethernet in addition.
[14] Only IQ 40, IQ 50, and IQ 60 EV Chargers are supported by the IQ Combiner 6C.
[15] Ships with a 60 A breaker preinstalled. Upsize to an 80/100 A breaker if wiring more than three PV branch circuits.

Electrical specifications	
Maximum breaker rating for aggregate PV feed-in if combining branch circuits on external panel board	100 A[16]
Internal PV busbar rating	100 A
Internal DER busbar rating	200 A
Auxiliary/Dry contacts	1 × NO/NC (120 VAC, 3 A) on the Combiner Controller Board 1 × NO (240 VAC, 3 A) on the IQ Gateway
Connections and wire sizes[17]	
Conduit location	Top side left, top side right, bottom side left, bottom side right, bottom, and bottom rear
Lugs connections	Backfeed lugs, Cu: 6–2/0 AWG Neutral lug, Cu: 6–2/0 AWG
Breaker connections[18]	PV breakers, Cu: 10 AWG maximum Battery breaker, Cu: 3 AWG maximum EV charger breaker, Cu: 4 AWG maximum[19] Aggregate PV breaker, Cu: 4 AWG[20], [21] Integrated load controller breaker, Cu: 2 AWG maximum
Neutral and ground connections	Neutral lug: 6–2/0 AWG (one space) Neutral bar: • Large holes: 3–1/0 AWG (three spaces) • Small holes: 14–6 AWG (nine spaces) Ground bar: • Large holes: 3–1/0 AWG (five spaces) • Small holes: 14–6 AWG (thirteen spaces)
Other connections	4 × Control (CTRL) headers (5-pin), Cu: 18 AWG[22] 1 × NO/NC (120 VAC, 3 A, 3-pin), Cu: 28–16 AWG 1 × NO (240 VAC, 3 A, 2-pin), Cu: 28–14 AWG 1 × RS-485 (3-pin), Cu: 28–16 AWG 1 × AC sense for external Rapid Shutdown Device (240 VAC, <1 A), Cu: 16–12 AWG EVSE CT, Cu: 28–16 AWG[23] Ride Through the power supply board[24] Rope CT connector
Accessories (order separately)	
Applicable circuit breakers for PV, battery, EV charger, and integrated load controller[25], [26]	Eaton BR2xx (xx: 10/15/20/40/60/80/100 A) Eaton quad breaker BRDC220220, BQC220220 Eaton quad breaker BQ2xx2xx (xx: 20–20/40–40/30–50 A) Siemens Q2xx (xx: 10/15/20/40/60/80/100 A) Siemens quad breaker Q22020CT Siemens Q2xxxxCT2 (xx: 20–20/40–40/30–50 A)
IQ Meter Collar	IQ Meter Collar with integrated consumption metering

[16] Refer to the QIG for information about the placement of the 100 A breaker on the PV busbar. The aggregate PV breaker must also be replaced with a 100 A breaker. Do not connect the aggregate feed-in directly to the aggregate PV breaker on the right side.
[17] Use a 90°C-insulated wire for all field-wired connections.
[18] Wire gauges are specified based on the wire-bending space requirements in the National Electrical Code. Follow NEC for the selection of wire gauges, also refer to the breaker manufacturer's guidance for breaker-specific wire gauges.
[19] A minimum of four AWG cables must be used with the 60 A breaker in the EV charger space.
[20] Pre-wired to connect an aggregate PV breaker using a 4 AWG cable with a 105°C insulation.
[21] When using an inline PV disconnect, match the disconnect rating to the aggregate PV breaker rating and ensure compliance with local and national codes and standards.
[22] The 5-pin control header includes CTRL L, CTRL H, GND, 24 V, and DRAIN. The drain wire can be grounded through this header, removing the need for a separate header for ground connection.
[23] CTs are available as an accessory.
[24] A power supply board with capacitors is required in Solar Only systems if the utility requires the IEEE 2030.5 connection to be powered during low voltage ride through.
[25] The combiner includes hold-down kit functionality for all branch circuit breakers. Special breakers from manufacturers that support hold-down functionality are not required.
[26] Breakers on each space may have restrictions. Refer to the quick install guide (QIG) for detailed information on each breaker space with applicable breaker manufacturer.

Accessories (order separately)	
	SKU: MC-200-011-V01
Clamp-type CTs (for use as an EVSE CT/ Consumption CT)	1 × 200 A clamp-type current transformers for metering (accuracy: ±2.5%) SKU: CT-200-CLAMP
Clamp-type CTs (for use as consumption CTs)	2 × 200 clamp-type current transformers for metering (accuracy: ±2.5%) with color-coded cables for L1, L2; black/red cable to monitor consumption L1; brown/purple cable to monitor L2 SKU: CT-200-CLAMP-2A
Enphase Control Cable	Control cable, 500 ft. spool. SKU: CTRL-SC3-NA-01
Ride through power supply board	Required for solar-only systems if the utility requires the IEEE 2030.5 connection to be powered during low voltage ride through. SKU: X-IQ-NA-PSBECAP-R6
Mobile Connect	Cellular modem with a 5-year data plan and dual network provider support (AT&T and T Mobile) SKU: CELLMODEM-07-NA

Mechanical data	
Dimensions (H × W × D)	680 mm (26.77") × 460 mm (18.11") × 220 mm (8.66")
Weight	~18 kg (40 lb)
Ambient temperature range	–40°C to 46°C (–40°F to 115°F)
Enclosure rating	Outdoor NEMA 3R
Cooling	Solar shield, active air cooling[27]
Altitude	Up to 3000 meters (9842 feet)[28]
Fan noise	43 dbA[29]

Compliance	
IQ Combiner	UL 1741, CSA C22.2 #107.1:16, CSA C22.2 #330:23 FCC & IC (ICES-003:2014)- 47 CFR Part 15 Class B, ICES 003, ICC ES AC156
IQ Gateway	UL 61010-1, CAN/CSA 22.2 No. 61010-1, IEEE 2030.5/CSIP Compliant Production and storage metering: ANSI C12.20 accuracy class 0.5

Communication interfaces	
Integrated Wi-Fi	802.11b/g/n (dual band 2.4 GHz/5 GHz), for connecting the Enphase Cloud via the internet
Wi-Fi range (recommended)	10 m
Bluetooth	Bluetooth low energy compliant with Bluetooth 5.0 specification
Ethernet	Optional, 802.3, Cat5E (or Cat 6) UTP Ethernet cable (not included), for connecting to the Enphase Cloud via the internet
Mobile Connect	CELLMODEM-07-NA
Digital I/O	Digital input/output for grid operator control
USB 2.0	For Mobile Connect
Access point (AP) mode	For connection between the IQ Gateway and a mobile device running the Enphase Installer App
Power line communication (PLC)	90–110 kHz (Class B) to microinverters

[27] The IQ Combiner 6C continuously monitors its internal temperature to ensure it operates within safe thermal limits.
[28] Verify the altitude specifications in each component's data sheet to ensure the system meets the altitude requirements of the installation location.
[29] When running with both fans at full speed.

Communication interfaces	
RS-485	For remote metering or MODBUS (with IQ Combiner 6C as a secondary)
Web API	Refer to https://developer-v4.enphase.com
Local API	Refer to the guide for local API

Limited warranty	
IQ Combiner 6C[30]	15 years (Enphase Mobile Connect - 5 years)

Compatibility	
IQ Meter Collar	MC-200-011-V01
IQ Battery	IQ Battery 10C
Microinverters	IQ6, IQ7, and IQ8 Series Microinverters
Third-party PV or legacy Enphase PV	Supported through integrated load controller[31]

[30] IQ Combiner 6C is not service-entrance rated. IQ Combiner 6C does not support generator integration and fully off-grid systems (that is, without a utility supply).

[31] Integrated gateway does not support legacy Enphase PV or a third-party PV.

Components of the Enphase Energy System

IQ Microinverters

IQ Series Microinverters pack more power into less space than other rooftop solar systems and make rooftop solar more productive, reliable, smart, and safe.

IQ Meter Collar

IQ Meter Collar enables full home backup with IQ Battery 10C, IQ Series Microinverters, and IQ Combiner 6C.

IQ Battery 10C

IQ Battery 10C is a compact, powerful, reliable and safe AC Battery. It has a total usable energy capacity of 10.0 kWh and includes four embedded, grid-forming microinverters with a 7.08 kVA continuous power rating. It provides backup capability, and installers can quickly design the right system size to meet the customer needs.

Revision history

Revision	Date	Description
DSH-00585-4.0	August 2025	Updated SKU and model number information.
DSH-00585-3.0	April 2025	Updated the footnotes and specifications.
DSH-00585-2.0	February 2025	Updated the introduction and specifications.
DSH-00585-1.0	September 2024	Initial release.

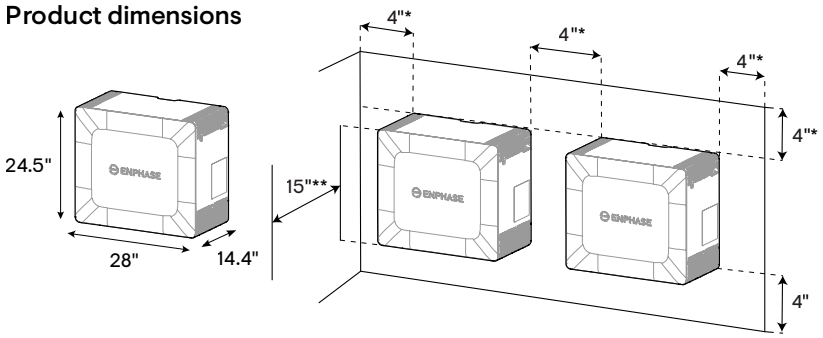
IQ Battery 10C

The IQ Battery 10C all-in-one AC-coupled system is compact, powerful, reliable, and safe. It has a total usable capacity[1] of 10.0 kWh and includes four embedded, grid-forming microinverters with a 7.08 kVA continuous power rating. It provides backup capability, and installers can quickly design the right system size to meet the customer's needs.

Enphase 15 year limited warranty

Key specifications	IQBATTERY-10C-1P-NA
Rated (continuous) output power	7.08 kVA[1]
Rated output current (@240 V_{L-L} AC~)	29.5 A[1]
Rated neutral current (@120 V_{L-N} AC~)	24 A[1]
Interconnection	Single-phase
Nominal voltage	120/240 VAC~
Nominal frequency	60 Hz
Usable capacity	10.0 kWh[1]
Ambient operating temperature range (charging)[1]	–20°C to 50°C (–4°F to 122°F) Non-condensing
Ambient operating temperature range (discharging)[1]	–20°C to 55°C (–4°F to 131°F) Non-condensing
Chemistry	Lithium iron phosphate (LFP)
Mounting	Wall-mount or pedestal-mount (sold separately)

Product dimensions



* The 4" clearances on the sides and the top are per the UL 9540A evaluation, Enphase recommends 8" for ease of service.
** Follow the local and national regulations while planning. A 15" clearance in the front is recommended for ease of service.

Powerful

- Provides 56 A peak current for three seconds
- Includes four embedded IQ8B Microinverters
- Most powerful microinverter with up to 2.1 kVA continuous power

Reliable

- Cools passively with no moving parts or fans
- Uses wired communication for fast and consistent connection
- Updates software and firmware remotely

Simple

- Fully integrated AC Battery system with neutral forming capabilities
- Installs and commissions easily
- Offers homeowners remote monitoring and control from the Enphase App
- Field replaceable components

Safe

- Evaluated to UL 9540A, the highest industry standard for battery safety
- Uses LFP chemistry for maximum safety and longevity

[1] Refer to the following page for more details.

Product details	IQBATTERY-10C-1P-NA	
Name	IQ Battery 10C	
Description	The IQ Battery 10C system with integrated IQ Microinverters (SKU: IQ8BL, IQ8BN) with a battery management system (BMS) as part of IQBL Microinverters, includes: • Two 5 kWh battery units (ordering SKU: B05-C01-US00-1-3-DOM). • One IQ Battery 10CS cover kit with cover, interconnect cables and accessories (Ordering SKU: B10CS-NC-0708-O-DOM).	
Model Number	IQBATTERY-10C-1P-NA[2]	
Ordering SKU	Standard	Domestic
5 kWh battery unit	B05-C01-US00-1-3	B05-C01-US00-1-3-DOM
IQ Battery 10C cover kit	B10C-NC-0708-O	B10C-NC-0708-O-DOM

Limited warranty	
IQ Battery 10C unit	60% capacity, up to 15 years, or 6,000 cycles[3]

Output (AC~)	@240 VAC[4]
Rated (continuous) output power	7.08 kVA[5]
Nominal voltage/range	240/211–264 VAC~
Nominal frequency/range	60/57–63 Hz
Rated output current (@240 V_{L-L}AC~)	29.5 A[5]
Rated neutral current (@240 V_{L-N}AC~)	24 A[6]
Peak output current (@240 V_{L-L}AC~)	56 A (three seconds), 44.8 A (ten seconds)
Power Start capability	Up to 90 A LRA[7]
Power factor (adjustable)	0.85 leading ... 0.85 lagging
Maximum conductor size supported	3 AWG
Overcurrent protection device (OCPD)	40 A OCPD, requires a minimum of 8 AWG for one IQ Battery 10C or 80 A OCPD, requires a minimum of 4 AWG for two or more IQ Battery 10C[8]
Interconnection	Single-phase
AC round-trip efficiency[9]	90%

Battery	
Total capacity[10]	10.0 kWh
Usable capacity[11]	10.0 kWh
DC round-trip efficiency	96%
Nominal DC voltage	76.8 V
Maximum DC voltage	86.4 V

[2] The model number is used on the product nameplate, Certificate of Compliance, and in official regulatory listings (e.g., California Energy Commission). For all interconnection applications and permitting processes, please ensure that the model number is used—not the ordering SKU.
[3] Whichever occurs first. Restrictions apply.
[4] Supported in both grid-connected and backup/off-grid operations.
[5] 7.08 kVA, 29.5 A for the balanced 240 V_{L-L} loads.
[6] A maximum of 24 A, 120 V_{L-N} unbalanced loads can be supported along with 5.5 A, 240 V $_{L-L}$ loads.
[7] Power Start capability may vary.
[8] More than two IQ Battery 10C on a 4 AWG circuit protected by 80 A OCPD requires setting Power Control System: IQ Battery Oversubscription.
[9] AC to the battery to AC at 50% power rating.
[10] The IQ Battery 10C is typically shipped with a state of charge (SoC) between 20% and 30% to ensure safe transportation and optimal battery health during storage and handling.
[11] The battery's usable capacity supports loads and turns PV on (when off-grid), in normal daily operation. The usable capacity includes a safety-critical limit of 2% that safeguards the customer's asset in case of a long-duration grid outage. An additional 3% capacity is maintained for battery electronic sustenance at night. Refer to https://link.enphase.com/iqbattery_usable_capacity_en_na for more information.

Battery	
Ambient operating temperature range (charging)[12]	–20°C to 50°C (–4°F to 122°F) non-condensing
Ambient operating temperature range (discharging)[13]	–20°C to 55°C (–4°F to 131°F) non-condensing
Optimum operating temperature range	0°C to 30°C (32°F to 86°F)[14]
Chemistry	Lithium iron phosphate (LFP)

Mechanical data	
Dimensions (H × W × D)	621 mm × 708 mm × 365 mm (24.5 in × 28 in × 14.4 in)
Maximum lifting weight	57 kg (125 lb)
Total installed weight for	144 kg (317 lb)
Enclosure	Outdoor-NEMA 3R
Cooling	Natural convection
Altitude[15]	Up to 3,000 meters (9,842 feet)
Mounting	Wall-mount or pedestal-mount (sold separately)

Features and compliance	
Compatibility	Compatible with IQ and M Series Microinverters, IQ Meter Collar, IQ Combiner 6C, and IQ Gateway for grid-tied and backup operations.
Communication	Wired control communication
Services	Backup, Self-Consumption, TOU, and NEM integrity
Monitoring	Enphase Installer Platform and Enphase App monitoring options; API integration
Compliance	CA Rule 21 (UL 1741-SA), IEEE 1547:2018 (UL 1741-SB, 3rd Ed.) CAN/CSA C22.2 No. 107.1-16 UL 9540[16], UL 9540A[17], UN 38.3, UL 1998, UL 991, NEMA Type 3R, AC156 EMI: 47 CFR, Part 15, Class B, ICES 003 Cell module: UL 1973, UN 38.3 Inverters: UL 62109-1, IEC 62109-2

What's in the box

There are a total of three boxes; two boxes contain the 5.0 kWh battery units, and the third box contains the IQ Battery 10C cover kit.

5.0 kWh battery unit

Battery units	Two 5.0 kWh battery units of IQ Battery 10C
Mounting bracket	Two mounting brackets for mounting the batteries on the wall
Seismic screws	Four seismic screws for securing the battery unit on the mounting bracket
Mounting bracket fasteners	Twelve M8 hexagonal Phillips screws with washers for mounting the second wall bracket on the preinstalled battery unit
Drill template	Two drill templates to mark drilling points and conduit entry locations on the wall

IQ Battery 10C cover kit

[12] A reduction in charging power occurs at temperatures below 15°C and above 45°C.
[13] A reduction in discharging power occurs at temperatures below 0°C and above 50°C.
[14] Keeping the battery in this temperature range maximizes the battery life.
[15] Refer to the data sheet for all components used with the IQ Battery 10C to determine the maximum altitude. For example, the IQ Battery 10C has a maximum altitude limit of 3,000 meters, while the IQ Meter Collar has a limit of 2,500 meters. When used together, the maximum altitude is restricted to 2,500 meters.
[16] Following local standards, choose a non-habitable indoor location (like a 2-car garage) or an outdoor location where the ambient temperature and humidity are within –20°C to 55°C (–4°F to 131°F) and 5% to 95% RH, non-condensing. Avoid direct sunlight to ensure the temperature stays in the optimal operating range. This ensures charging and discharging currents are not de-rated due to temperature.
[17] Evaluated to UL 9540A for thermal runaway fire propagation and reduced separation distance as required in 2021 IRC R328.3.1, 2021 IFC 1207.1.5, and 2023 NFPA 855 15.3.1 and 9.1.5. Follow all installation instructions and local codes and requirements of the Authority Having Jurisdiction (AHJ) when installing the Enphase Energy System.

What's in the box	
Cover	One cover for IQ Battery 10C
Interconnect power cable	One interconnect power cable assembly for internally connecting two battery units of IQ Battery 10C
Interconnect control cable	One interconnect control cable assembly for internally connecting two battery units of IQ Battery 10C, having one preinstalled control connector (without resistor) at one end
Control connector with resistor	One spare control connector with resistor for control wiring
Raceway adapter	Two raceway adapters for routing cables internally between two battery units
Cable holder	Two cable holders for cable management in wiring compartments
Conduit covers	One left-side and one right-side conduit cover to close unused conduit openings
Cover locking screw	Four cover lockings screws for securing the covers.
Quick install guide (QIG)	QIG for IQ Battery unit installation instructions

Optional accessories and replacement parts	
IQ8BL-RMA	IQ8BL Microinverter for field replacement
IQ8BN-RMA	IQ8BN Microinverter for field replacement
B05-C01-US00-1-3-RMA	IQ Battery 10C 5.0 kWh battery unit for field replacement
B10C-CX-0709-O	IQ Battery 10C cover for field replacement
B05C-WB-0662-O	IQ Battery 10C wall bracket for field replacement
B10C-PI-0550-O	IQ Battery 10C Pedestal Mount
B05C-LH-0180-O	IQ Battery 10C Lifting Handles. Includes one left-side and one right-side lifting handle
B05C-ACFB-0138-O	IQ Battery 10C AC filter board for field replacement
B05C-NCANB-068-O	IQ Battery 10C control communication board for field replacement
B05C-CS-0161-O	IQ Battery 10C control switch for field replacement
B05C-NLTB-051-O	IQ Battery 10C live and neutral terminal block for field replacement
B05C-NGTB-051-O	IQ Battery 10C ground terminal block for field replacement
B05C-NJTB-027-O	IQ Battery 10C jumper for the terminal block for field replacement
B05C-NETB-049-O	IQ Battery 10C end stop and end cap of terminal block for field replacement
B10C-PIC-0350-O	IQ Battery 10C Interconnect power cable for field replacement
B10C-CIC-0300-O	IQ Battery 10C Interconnect control cable for field replacement
B05C-CP-031-O	IQ Battery 10C conduit plug (large) for field replacement
B05C-CP-026-O	IQ Battery 10C conduit plug (small) for field replacement
B05C-CH-0132-O	IQ Battery 10C cable holder for field replacement
B10C-RA-050-O	IQ Battery 10C raceway adapter for field replacement
B05C-CC-090-O	IQ Battery 10C conduit cover for field replacement
B05C-WC-0620-O	IQ Battery 10C wiring cover for field replacement
B05C-CAT-0100-O	IQ Battery 10C internal cables to connect AC filter board and terminal blocks

Components of the Enphase Energy System

IQ Microinverters

IQ Series Microinverters pack more power into less space than other rooftop solar systems and make rooftop solar more productive, reliable, smart, and safe.

IQ Combiner 6C

IQ Combiner 6C consolidates interconnection equipment into a single enclosure and streamlines IQ Series Microinverters and IQ Battery 10C installation by providing a consistent, pre-wired solution for residential applications.

IQ Meter Collar

IQ Meter Collar enables full home backup with IQ Battery 10C, Enphase PV, and IQ Combiner 6C.

IQ Battery 10C accessories

IQ Battery 10C Lifting Handles are reusable and ease the installation process. The IQ Battery 10C Pedestal Mount enables floor mounting of the IQ Battery 10C.

Revision history

Revision	Date	Description
DSH-00565-6.0	July 2025	Added the domestic SKUs.
DSH-00565-5.0	July 2025	• Updated the description of the “Product details” section. • Added a note to the total capacity in the "Battery" section.
DSH-00565-4.0	May 2025	• Updated the peak current. • Updated the discharging power temperature range. • Added the footnote in the altitude data. • Two additional SKUs were added to "Optional accessories and replacement parts." • Updated the clearance dimensions from 6" to 4" in the product dimensions image.
DSH-00565-3.0	March 2025	Editorial updates.
DSH-00565-2.0	February 2025	Updated the specifications for order code details.
DSH-00565-1.0	November 2024	Preliminary release.

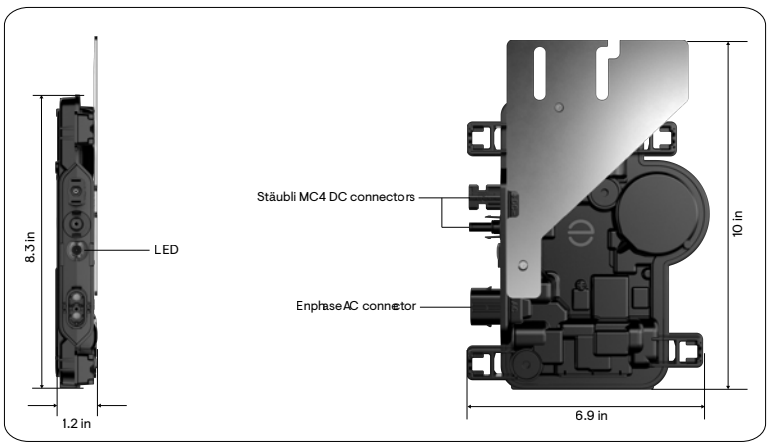
IQ8HC Microinverter

Our newest IQ8 Series Microinverters[1, 2, 3] are the industry's first microgrid-forming[4], software-defined microinverters with split-phase power conversion capability to convert DC power to AC power efficiently.

Enphase 25 year limited warranty

UL CERTIFIED

Key specifications	IQ8HC-72-M-US@240 VAC IQ8HC-72-M-DOM-US @240 VAC	IQ8HC-72-M-US@208 VAC IQ8HC-72-M-DOM-US @208 VAC
Peak output power	384 VA	366 VA
Nominal grid voltage (L-L)	240 V, split-phase (L-L), 180°	208 V, single-phase (L-L), 120°
Nominal frequency	60 Hz	
CEC weighted efficiency	97.0%	96.5%
Maximum input DC voltage	60 V	
MPPT voltage range	29.5–45 V	
Maximum module I_{sc}	20 A	
Ambient temperature range	–40°C to 65°C (–40°F to 149°F)	



Simple

- Lightweight and compact with plug-and-play connectors
- Power line communication (PLC) between components
- Faster installation with simple two-wire cabling

Reliable

- Produces power even when the grid is down[4]
- More than one million cumulative hours of testing
- Industry-leading limited warranty of up to 25 years
- Class II double-insulated enclosure
- Optimized for the latest high-powered PV modules

Microgrid-forming

- Complies with the latest advanced grid support
- Remote automatic updates for the latest grid requirements
- Configurable to support a wide range of grid profiles
- Meets CA Rule 21 (UL 1741-SA) and IEEE 1547:2018 (UL 1741-SB 3rd Ed.)

[1] IQ8 Series Microinverters can be added to existing IQ7 systems on the same IQ Gateway only in the following grid-tied configurations: Solar Only or Solar + Battery (IQ Battery 3T/10T and IQ Battery 5P) without backup.
[2] IQ7 Series Microinverters cannot be added to a site with existing IQ8 Series Microinverters on the same gateway. Mixed system of IQ7 and IQ8 will not support IQ8-specific PCS features and grid-forming capabilities.
[3] IQ Microinverters ship with default settings that meet North America's IEEE 1547 interconnection standard requirements. Region-specific adjustments may be requested by an Authority Having Jurisdiction (AHJ) or utility representative, according to the IEEE 1547 interconnection standard. Use an IQ Gateway to make these changes during installation.
[4] Meets UL 1741 only when installed with IQ System Controller 2 or 3.

Input data (DC)	Units	IQ8HC-72-M-US @240 VAC IQ8HC-72-M-DOM-US @240 VAC	IQ8HC-72-M-US @208 VAC IQ8HC-72-M-DOM-US[5] @208 VAC
Commonly used module pairings [6]	W	320–540	
Module compatibility	–	To meet compatibility, PV modules must be within the maximum input DC voltage and maximum module I_{sc} listed below. Module compatibility can be checked at https://enphase.com/installers/microinverters/calculator.	
MPPT voltage range	V	29.5–45	
Operating range	V	18–58	
Minimum/Maximum start voltage	V	22/58	
Maximum input DC voltage	V	60	
Maximum continuous operating DC current	A	14	
Maximum input DC short-circuit current	A	25	
Maximum module I_{sc}	A	20	
Overvoltage class DC port	–	II	
DC port backfeed current	mA	0	
PV array configuration	–	Ungrounded array; no additional DC side protection required; AC side protection requires a maximum of 20 A per branch circuit	

Output data (AC)	Units	IQ8HC-72-M-US @240 VAC IQ8HC-72-M-DOM-US @240 VAC	IQ8HC-72-M-US @208 VAC IQ8HC-72-M-DOM-US[5] @208 VAC
Peak output power	VA	384	366
Maximum continuous output power	VA	380	360
Nominal grid voltage (L-L)	V	240, split-phase (L-L), 180°	208, single-phase (L-L), 120°
Minimum and maximum grid voltage [7]	V	211-264	183-229
Maximum continuous output current	A	1.58	1.73
Nominal frequency	Hz	60	
Extended frequency range	Hz	47–68	
AC short-circuit fault current over three cycles	A_{rms}	2.7	
Maximum units per 20 A (L-L) branch circuit [8]	–	10	9
Total harmonic distortion	%	<5	
Overvoltage class AC port	–	III	
AC port backfeed current	mA	18	
Power factor setting	–	1	
Grid-tied power factor (adjustable)	–	0.85 leading … 0.85 lagging	
Peak efficiency	%	97.3	97.2
CEC weighted efficiency	%	97.0	96.5
Nighttime power consumption	mW	22	26

[5] IQ8HC-72-M-DOM-US (240 VAC and 208 VAC) is made in the USA, and the PCBA, electrical parts, and enclosure are domestically manufactured to meet the requirements of eligibility to be considered for the ITC domestic content bonus adder.
[6] No enforced DC/AC ratio.
[7] Nominal voltage range can be extended beyond nominal if required by the utility.
[8] Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.

Mechanical data	IQ8HC-72-M-US @240 VAC IQ8HC-72-M-DOM-US @240 VAC	IQ8HC-72-M-US @208 VAC IQ8HC-72-M-DOM-US[5] @208 VAC
Ambient temperature range	–40°C to 65°C (–40°F to 149°F)	
Relative humidity range	4% to 100% (condensing)	
DC connector type	Stäubli MC4	
Dimensions (H × W × D); Weight	212 mm (8.3 in) × 175 mm (6.9 in) × 30.2 mm (1.2 in); 1.1 kg (2.43 lb)	
Cooling	Natural convection—no fans	
Approved for wet locations; Pollution degree	Yes; PD3	
Enclosure	Class II double-insulated, corrosion-resistant polymeric enclosure	
Environmental category; UV exposure rating	NEMA Type 6; outdoor	

Compliance	IQ8HC-72-M-US @240 VAC IQ8HC-72-M-DOM-US @240 VAC	IQ8HC-72-M-US @208 VAC IQ8HC-72-M-DOM-US[5] @208 VAC
Certifications	CA Rule 21 (UL 1741-SA), UL 62109-1, IEEE 1547:2018 (UL 1741-SB 3rd Ed.), 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 shutdown equipment and conforms with NEC 2014, NEC 2017, NEC 2020, and NEC 2023 section 690.12 and C22.1-2018 Rule 64-218 rapid shutdown of PV systems for AC and DC conductors when installed according to the manufacturer's instructions.	

Components of the Enphase Energy System

IQ Battery

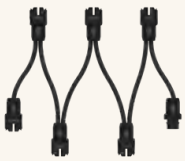
All-in-one AC-coupled storage solution that integrates seamlessly with your solar energy system, providing reliable backup power and intelligent energy management for maximum performance and energy savings.

IQ System Controller

The IQ System Controller connects the home to the grid power, IQ Batteries, generator and solar PV with microinverters.

IQ Combiner/IQ Gateway

The IQ Combiner/IQ Gateway is a device that performs energy management, provides internet connectivity, and integrates with the IQ Series Microinverters to provide complete control and insights into the Enphase Energy System.



IQ Cable

The IQ Cable is a continuous-length 12-AWG cable with pre-installed connectors for IQ Microinverters that support faster, simpler, and more reliable installations. The cable is handled like standard outdoor-rated electrical wire, allowing it to be cut, spliced, and extended as needed.

Revision history

Revision	Date	Description
DSH-00047-7.0	December 2024	Updated information on backward compatibility with IQ7 Series Microinverters.
DSH-00047-6.0	October 2024	Updated a footnote of the specifications table.
DSH-00047-5.0	July 2024	Added US DOM SKU.
DSH-00047-4.0	February 2024	Updated information about IEEE 1547 interconnection standard requirements.
DSH-00047-3.0	October 2023	Included NEC 2023 specification in the “Compliance” section.
DSH-00047-2.0	September 2023	Updated module compatibility information.
DSH-00047-1.0	May 2023	Preliminary release.

TOWN OF PITTSFORD
ZONING BOARD OF APPEALS
OCTOBER 20, 2025

Minutes of the Town of Pittsford Zoning Board of Appeals meeting held on October 20, 2025, at 6:30PM local time. The meeting took place in the Lower-Level Meeting Room of Pittsford Town Hall, 11 S. Main Street.

PRESENT: Jim Pergolizzi, Barbara Servé, Mary Ellen Spennacchio-Wagner, Jennifer Iacobucci, Tom Kidera, Phil Bleecker, Phil Castleberry

ABSENT:

ALSO PRESENT: April Zurowski, Planning Assistant; Patricia Keating, Building Department Assistant; Robert Koegel, Town Attorney

ATTENDANCE: There were 31 members of the public present.

Chairman Pergolizzi called the meeting to order at 6:30PM.

NEW PUBLIC HEARINGS:

166 Mill Road – Tax ID 178.04-1-72.1
Applicant is requesting relief from Town Code Section 185-17 B. for the construction of an addition forward of the building line. This property is zoned Residential Neighborhood (RN).
Chairman Pergolizzi opened the public hearing.

Paul Zachman, of 166 Mill Road, introduced the application. He described the unique orientation of his property which has necessitated his request for a variance. Mr. Zachman stated that the non-enclosed roof addition will be used to cover an existing patio.

Board Member Iacobucci asked if the neighbors had provided any feedback regarding the project. Mr. Zachman stated that he was unaware of any neighbor feedback. Ms. Zurowski stated that a letter of support was provided to the Town from the neighbor residing at 169 Mill Road. Board Member Iacobucci stated that the property is well covered by trees which blocks views of the proposed addition.

Chairman Pergolizzi asked about the completion date of the project. Mr. Zachman stated that the project would be finalized by the end of 2026.

Chairman Pergolizzi asked for public comment. Hearing none, Chairman Pergolizzi motioned to close the hearing, seconded by Board Member Servé; all ayes, none opposed.

A written resolution to grant the area variances for 166 Mill Road was unanimously approved.

4048 East Avenue – Tax ID 151.10-1-7.1
Applicant is requesting relief from Town Code Sections 185-17 E., and 185-113 C. (1) and (2) for the construction of an addition to an existing oversized and over height detached garage not meeting the minimum side setback and total side setback requirements. This property is zoned Residential Neighborhood (RN).
Chairman Pergolizzi opened the public hearing.

Dan Kaufman, of 4048 East Avenue, introduced the application. He stated that two additional bays would be added to the rear of the existing garage with storage above. Mr. Kaufman stated that the plans for the addition will be aesthetically pleasing and in keeping with the neighborhood.

Chairman Pergolizzi asked if the neighbors had shared any concerns. Mr. Kaufman stated that he had heard no negative comments from neighbors.

Chairman Pergolizzi asked about proposed lot line adjustments. Mr. Kaufman stated that he is working with his neighbor to purchase around a 20-foot strip of land, which if finalized would remove the need for the side setback variance.

Chairman Pergolizzi asked for public comment. Hearing none, Board Member Kidera motioned to close the hearing, seconded by Board Member Iacobucci; all ayes, none opposed.

A written resolution to grant the area variances for 4048 East Avenue was unanimously approved.

OTHER DISCUSSION:

Chairman Pergolizzi motioned to approve the minutes of September 15, 2025, seconded by Board Member Iacobucci. Following a unanimous voice vote, the minutes were approved, none opposed.

Chairman Pergolizzi closed the meeting at 6:53PM.

Respectfully submitted,

_____

Patricia Keating
Building Department Assistant

OFFICIAL MINUTES ARE ON FILE IN THE OFFICE OF THE PLANNING DEPARTMENT