AERIAL VIEW



GENERAL NOTES

- 1. THIS PROJECT INVOLVES THE INSTALLATION OF A GRID-INTERACTIVE PV SYSTEM. PV MODULES WILL BE MOUNTED USING A PRE-ENGINEERED MOUNTING SYSTEM. THE MODULES WILL BE ELECTRICALLY CONNECTED TO THE LOCAL UTILITY USING MEANS AND METHODS CONSISTENT WITH THE RULES ENFORCED BY THE LOCAL UTILITY AND AUTHORITY HAVING JURISDICTION.
- 2. THIS DOCUMENT HAS BEEN PREPARED TO DESCRIBE THE DESIGN OF A PROPOSED PV SYSTEM WITH ENOUGH DETAIL TO DEMONSTRATE COMPLIANCE WITH APPLICABLE CODES AND REGULATIONS. THE DOCUMENT SHALL NOT BE RELIED UPON AS A SUBSTITUTE FOR FOLLOWING MANUFACTURER INSTALLATION INSTRUCTIONS. THE SYSTEM SHALL COMPLY WITH ALL MANUFACTURER INSTALLATION INSTRUCTIONS, AS WELL AS ALL APPLICABLE CODES. NOTHING IN THIS DOCUMENT SHALL BE INTERPRETED IN A WAY THAT OVERRIDES THEM. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL DETAILS IN THIS DOCUMENT.
- THIS DOCUMENT IS BASED ON FIELD INSPECTIONS AND OTHER INFORMATION AVAILABLE AT THE TIME, ACTUAL 3. FIELD CONDITIONS MAY VARY AND REQUIRE MODIFICATIONS IN CONSTRUCTION DETAILS.
- THE DIMENSIONS AND MEASUREMENTS SHOWN IN THIS DOCUMENT ARE BASED ON AERIAL IMAGERY AND OTHER 4. AVAILABLE INFORMATION. AND ARE TO BE TREATED AS APPROXIMATED TO SHOW A GENERAL IDEA OF EQUIPMENT LOCATION AND PROPERTY SIZE.
- 5. ANY CHANGES TO THIS DESIGN AT THE TIME OF INSTALLATION DUE TO FIELD CONDITIONS MUST BE REPORTED TO THE DESIGNER AND AHJ.

SCOPE OF WORK

INSTALLATION OF ROOF-MOUNTED UTILITY INTERACTIVE

2.43 KW DC & 1.74 KW AC PV SOLAR ARRAY

PV MODULES	- 6 QCELLS Q.PEAK DUO BLK ML-G10+ 405
INVERTER(S)	- 6 ENPHASE IQ8PLUS-72-2-US

ROOF TYPE	- ASPHALT SHINGLES
RACKING	- PEGASUS SOLAR PEGASUS RAIL
ATTACHMENT	- PEGASUS SOLAR COMP MOUNT

APPLICABLE CODES & STANE

GOVERNING CODES

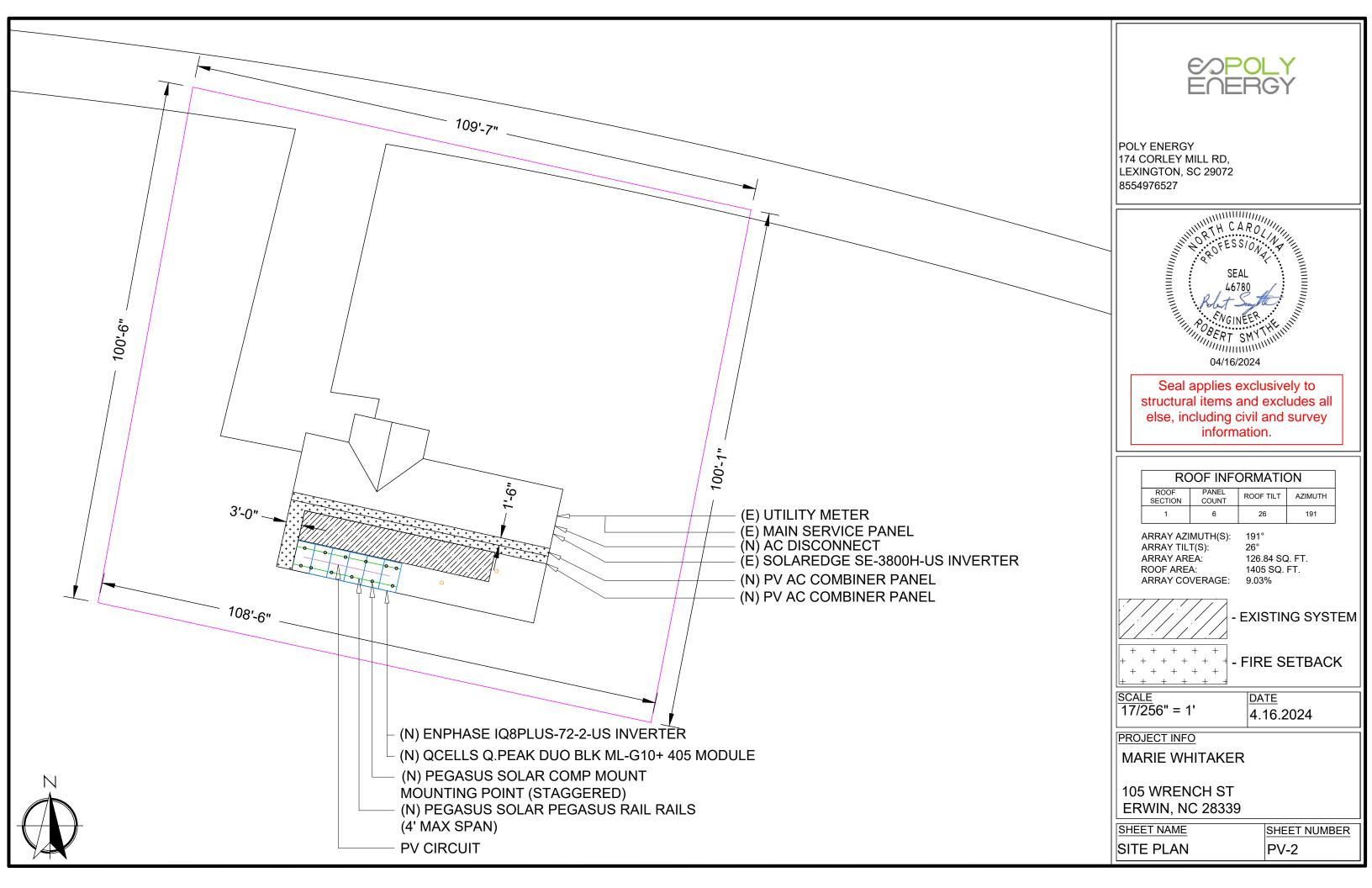
- 1. ALL WORK SHALL COMPLY WITH:
- 2017 NATIONAL ELECTRICAL CODE 1.1.
- 1.2. 2018 NORTH CAROLINA BUILDING CODE
- 1.3. 2018 INTERNATIONAL FIRE CODE
- 2018 NORTH CAROLINA RESIDENTIAL CODE 1.4.
- 1.5. 2018 NORTH CAROLINA EXISTING BUILDING CODE
- AND ALL OTHER STATE AND LOCAL AMENDMENT 1.6. TO BUILDING AND ELECTRICAL CODES

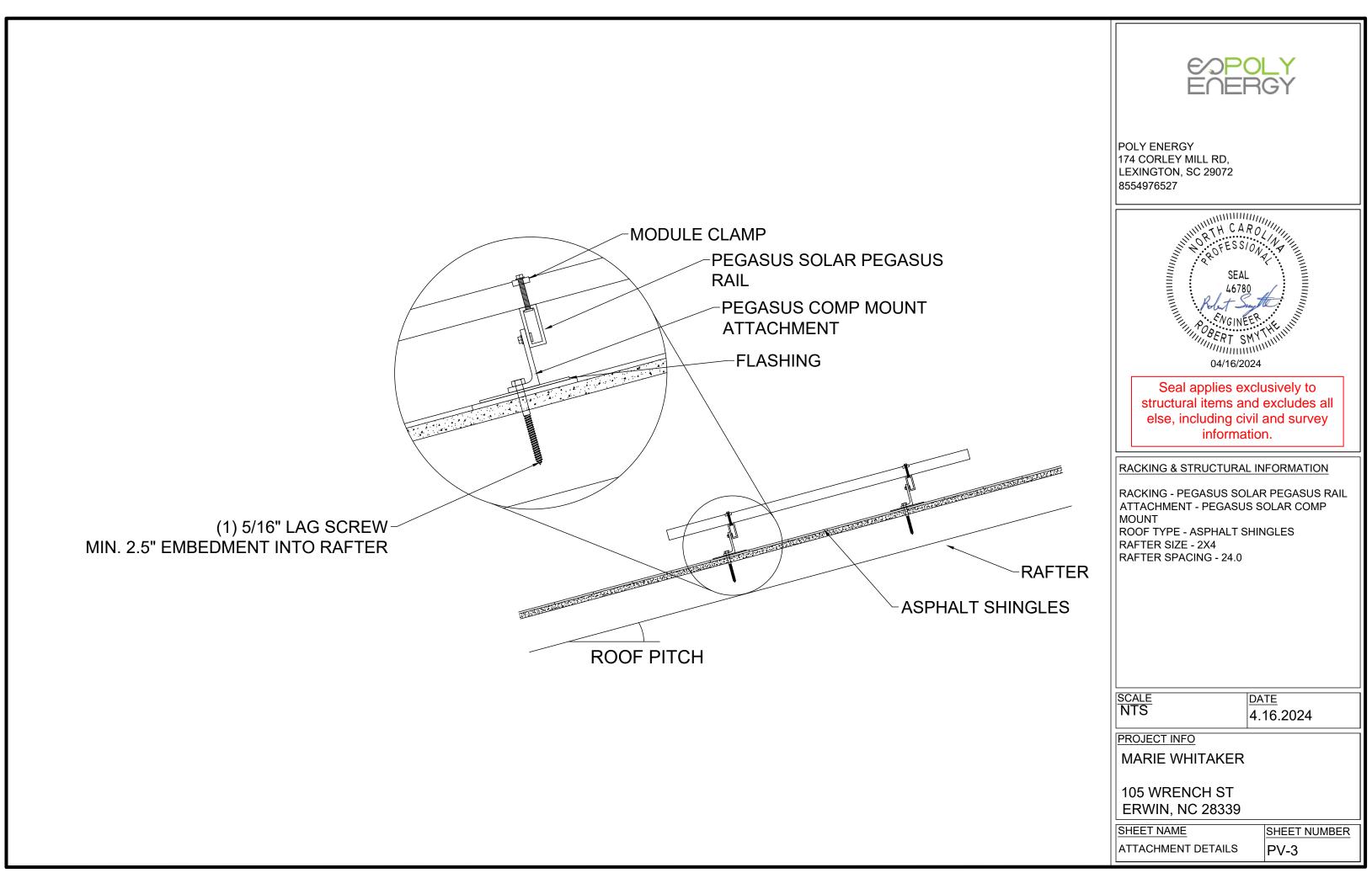
STRUCTURAL CRITERIA

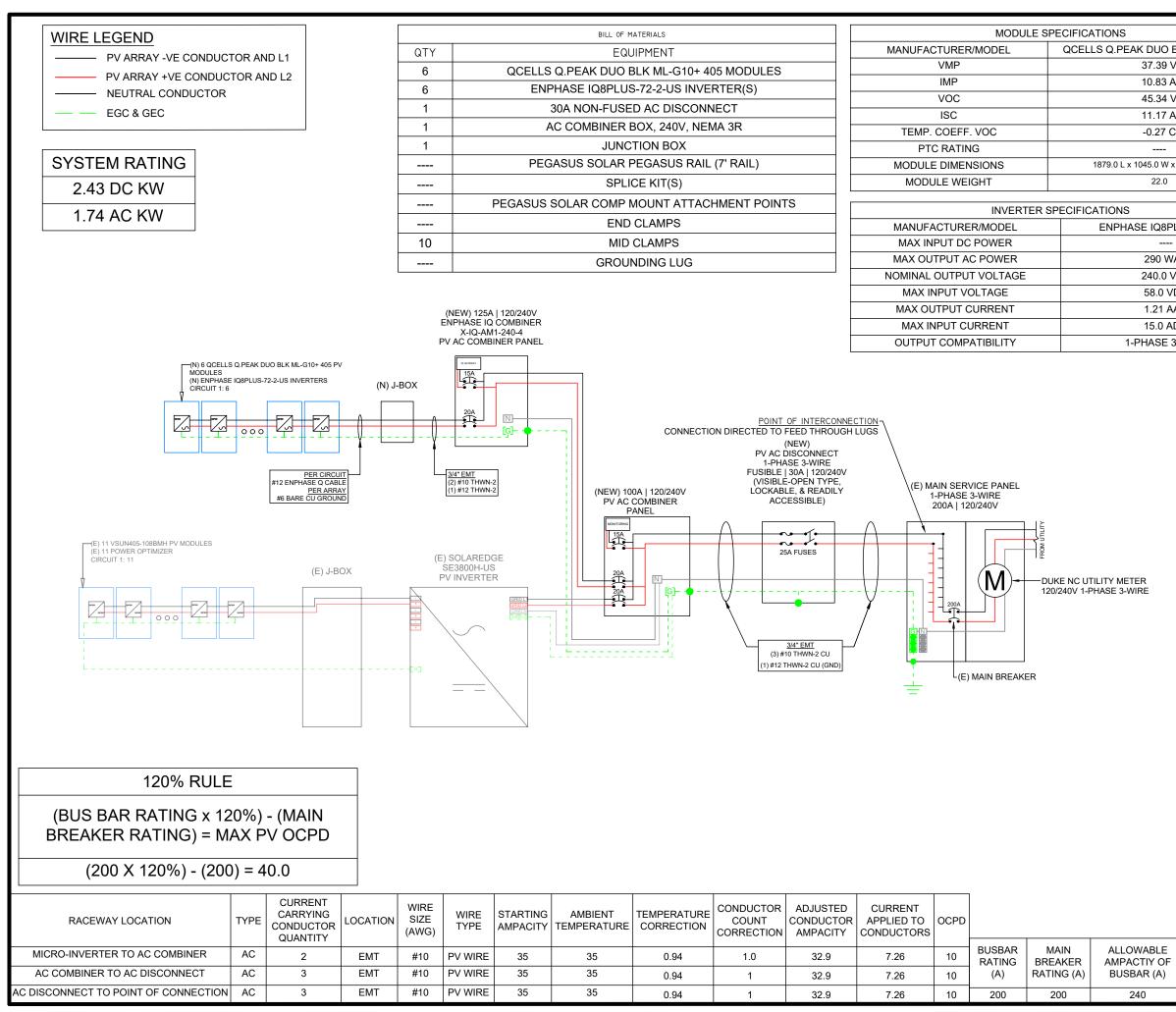
- WIND EXPOSURE CATEGORY: C 1.
- WIND SPEED: 119.0 MPH 2.
- GROUND SNOW LOAD: 10.0 PSF 3.

- ELECTRICAL NOTES 1. ALL EQUIPMENT TO BE LISTED BY UL OR OTHER NRTL, AND LABELED FOR ITS AP ALL RACEWAYS ON ROOFTOPS SHALL BE PLACED MORE THAN 7/8" ABOVE THE R CONDUCTORS SHALL BE COPPER, RATED FOR 600V AND 90°C WET ENVIRONMEN
- WIRING, CONDUIT, AND RACEWAYS MOUNTED ON ROOFTOPS SHALL BE ROUTED LOCATED AS CLOSE AS POSSIBLE TO THE NEAREST RIDGE. HIP. OR VALLEY
- WORKING CLEARANCES AROUND ALL NEW AND EXISTING ELECTRICAL EQUIPME NEC 110.26
- DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS
- CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, FITTINGS, FULFILL APPLICABLE CODES AND STANDARDS
- WHERE SIZES OF JUNCTION BOXES, RACEWAYS, AND CONDUCTORS ARE NOT SP CONTRACTOR SHALL SIZE THEM ACCORDINGLY
- ARRAY GROUNDING TO BE INSTALLED PER RACKING MANUFACTURER'S INSTRU-
- ARRAY RACKING TO BE BONDED WITH CONTINUOUS COPPER E.G.C. VIA WEEB L LAY-IN LUG
- THE POLARITY OF THE GROUNDED CONDUCTORS IS NEGATIVE.
- SURGE PROTECTION REQUIRED PER NEC 230.67

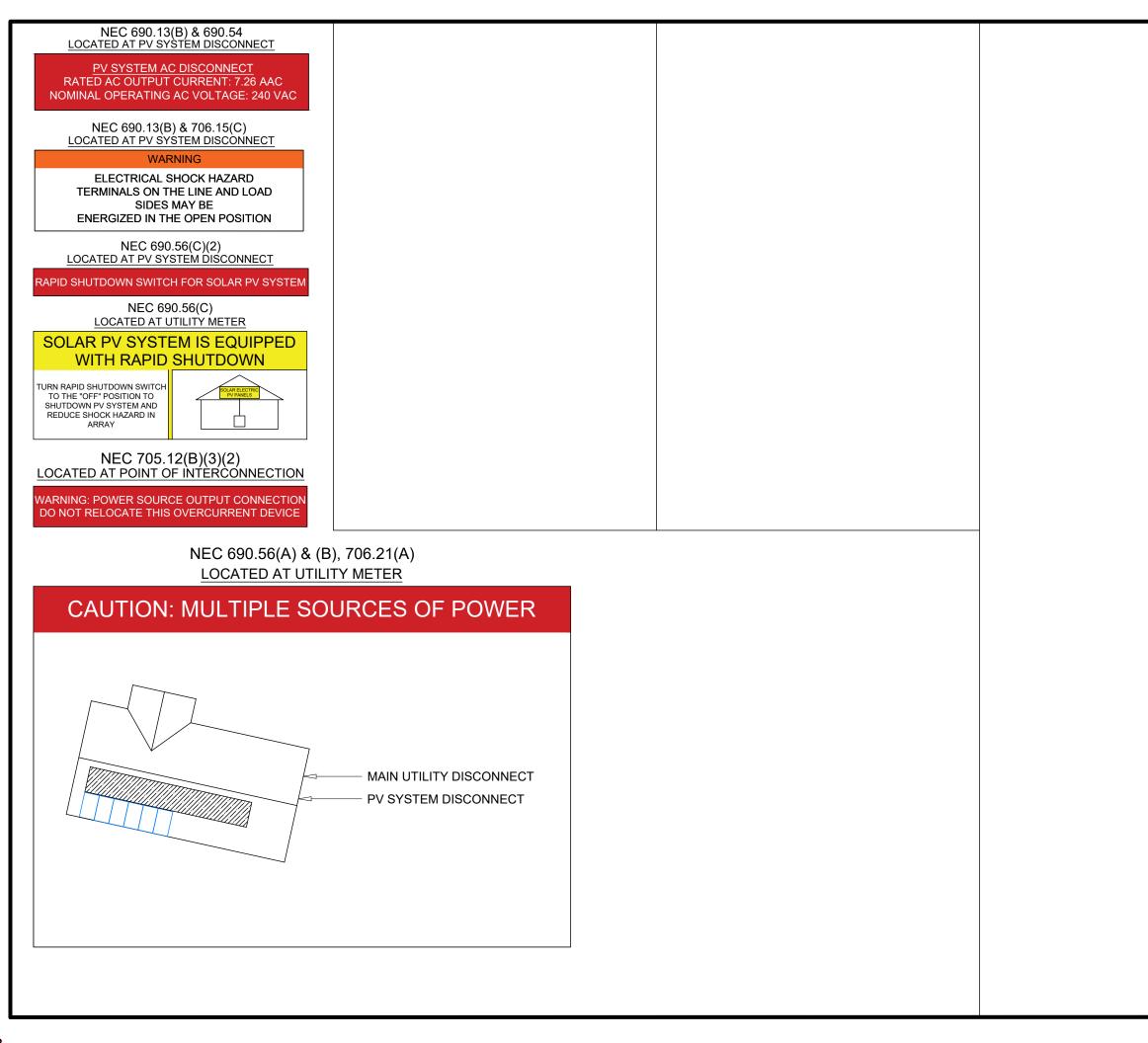
PV SYSTEM	ENE	<mark>oly</mark> Rgy
	POLY ENERGY 174 CORLEY MILL RD, LEXINGTON, SC 29072 8554976527	
DARDS		
_		
<u>-</u> S		
	SUMMARY OF	REVISIONS
		EVISION
PPLICATION ROOFTOP. ALL		
D DIRECTLY TO, AND		
ENT SHALL COMPLY WITH]
	UTIL - DUKE ENERGY AHJ - ERWIN (CITY)	
, AND ACCESSORIES TO	OCCUPANCY - II	
PECIFIED, THE	CONSTRUCTION - SFR	
CTION UG OR ILSCO GBL-4DBT	ZONING - RESIDENTIAL	
	SHEET INDEXSHEET IN	IDEX
	PV-1 COVER PAGE PV-2 SITE PLAN	
	PV-2 SITE PLAN PV-3 ATTACHMENT DETAILS PV-4 THREE LINE DIAGRAM	S
	PV-5 ELECTRICAL LABELS	
	PV-6+ SPEC SHEETS	
	SCALE	DATE
	NTS	4.16.2024
	PROJECT INFO]]
	MARIE WHITAKER	
	105 WRENCH ST	
	ERWIN, NC 28339	
	SHEET NAME	SHEET NUMBER
	COVER PAGE	PV-1







BLK ML-	G10+ 405		
/			
1			
/			RGY
\			
;			
32.0 H (I	MM)	POLY ENERGY	
		174 CORLEY MILL RD,	
		LEXINGTON, SC 29072	
		8554976527	
_US-72-	2,115		
200-72-	2-03		
AC			
'AC			
DC			
AC			
3-WIRE			
		SCALE	DATE
		NTS	4.16.2024
			-
		PROJECT INFO	
		MARIE WHITAKER	
		105 WRENCH ST	
		ERWIN, NC 28339	
	ALLOWABLE		
BAC	KFEED BREAKER	SHEET NAME	SHEET NUMBER
	RATING	LINE DIAGRAM	PV-4
	40		V - •••



ENERGY
POLY ENERGY 174 CORLEY MILL RD, LEXINGTON, SC 29072 8554976527
LABEL NOTESALL CAUTION, WARNING, OR DANGER SIGNSOR LABELS SHALL:1. COMPLY WITH ANSI Z535.4-2011STANDARDS.2. BE PERMANENTLY AFFIXED TO THEEQUIPMENT OR WIRING METHODS ANDSHALL NOT BE HANDWRITTEN.
 SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. UNLESS OTHERS SPECIFIED, MINIMUM TEXT HEIGHT TO BE 1/8" (3MM).
SCALEDATENTS4.16.2024
PROJECT INFO MARIE WHITAKER
105 WRENCH ST ERWIN, NC 28339
SHEET NAMESHEET NUMBERELECTRICAL LABELSPV-5

Q.PEAK DUO BLK ML-G10+ SERIES



385-410 Wp | 132 Cells 20.9% Maximum Module Efficiency

MODEL Q.PEAK DUO BLK ML-G10+





6 busbar cell technology

The ideal solution for:

End

Rooftop arrays on

residential buildings





司

25 YEARS

Warranty

ocells

N

(r_

N

The most thorough testing

and temperature behaviour.

programme in the industry

Breaking the 20% efficiency barrier

boosts module efficiency up to 20.9%.

Enduring high performance

Extreme weather rating

Anti PID Technology² and Hot-Spot Protect.

High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa).

Innovative all-weather technology

A reliable investment

performance warranty¹.

Q.ANTUM DUO Z Technology with zero gap cell layout

Inclusive 25-year product warranty and 25-year linear

Long-term yield security with Anti LeTID Technology,

Qcells is the first solar module manufacturer to pass the most comprehensive quality programme in the industry: The new "Quality Controlled PV" of the independent certification institute TÜV Rheinland.

Optimal yields, whatever the weather with excellent low-light

¹ See data sheet on rear for further information.
² APT test conditions according to IEC/TS 62804-1:2015, method A (~1500 V, 96 h)



Q.PEAK DUO BLK ML-G10+ SERIES

Mechanical Specification

Format	74.0 in × 411 in × 1.26 in (including frame) (1879 mm × 1045 mm × 32 mm)	
Weight	48.5 lbs (22.0 kg)	÷
Front Cover	0.13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology	4 × Grounding points a 0.18° (4.5 mm) = 49.2° (1250 mm)
Back Cover	Composite film	n
Frame	Black anodised aluminium	L L
Cell	6 × 22 monocrystalline Q.ANTUM solar half cells	Label — ≥ 49.2" (1250 mm)
Junction box	2.09-3.98 in × 1.26-2.36 in × 0.59-0.71 in (53-101 mm × 32-60 mm × 15-18 mm), IP67, with bypass diodes	8 × Drahu
Cable	4 mm^2 Solar cable; (+) $\ge 49.2 \text{ in (1250 mm)}$, (-) $\ge 49.2 \text{ in (1250 mm)}$	4 × Mounting slots (DETAIL A)
Connector	Stäubli MC4; IP68	→ → 126" (32 mm) 0.96" (24.5 mm) 1 0.96" (24.5 mm)

Electrical Characteristics

F

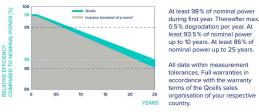
PC	OWER CLASS			385	390	395	400	4
MI	NIMUM PERFORMANCE AT STANDARD TEST CON	IDITIONS, ST	C1 (POWER	TOLERANCE +5 V	V/-0W)			
	Power at MPP ¹	PMPP	[W]	385	390	395	400	4
-	Short Circuit Current ¹	I _{sc}	[A]	11.04	11.07	11.10	11.14	1
Minimum	Open Circuit Voltage ¹	Voc	[V]	45.19	45.23	45.27	45.30	45
linir	Current at MPP	IMPP	[A]	10.59	10.65	10.71	10.77	10
2	Voltage at MPP	V _{MPP}	[V]	36.36	36.62	36.88	37.13	37
	Efficiency ¹	η	[%]	≥19.6	≥19.9	≥20.1	≥20.4	≥2

MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT²

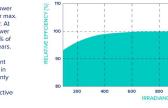
	Power at MPP	PMPP	[W]	288.8	292.6	296.3	300.1	3
Ę	Short Circuit Current	Isc	[A]	8.90	8.92	8.95	8.97	9
jį,	Open Circuit Voltage	Voc	[V]	42.62	42.65	42.69	42.72	4
Mir	Current at MPP	IMPP	[A]	8.35	8.41	8.46	8.51	8
	Voltage at MPP	V _{MPP}	[V]	34.59	34.81	35.03	35.25	3

¹Measurement tolerances P_{MPP}±3%; l_{sci} V_{oc}±5% at STC: 1000 W/m², 25±2°C, AM 1.5 according to IEC 60904-3 • ²800 W/m², NMOT, spectrum AM 1.

Qcells PERFORMANCE WARRANTY



PERFORMANCE AT LOW IRRADIANCE



"Standard terms of guarantee for the 5 PV companies with the highest production capacity in 2021 (February 2021) Typical module performance under low irradiance conditions in comparison to STC conditions (25 °C, 1000 W/m²). TEMPERATURE COEFFICIENTS

Temperature Coefficient of Isc	a	[%/K]	+0.04	Temperature Coefficient of V _{oc}	β
Temperature Coefficient of P _{MPP}	γ	[%/K]	-0.34	Nominal Module Operating Temperature	NMOT

Properties for System Design

Maximum System Voltage	V _{SYS}	[V]	1000 (IEC)/1000 (UL)	PV module classification	
Maximum Series Fuse Rating		[A DC]	20	Fire Rating based on ANSI/UL 61730	
Max. Design Load, Push/Pull ³		[lbs/ft ²]	75 (3600 Pa)/55 (2660 Pa)	Permitted Module Temperature	-
Max. Test Load, Push/Pull ³		[lbs/ft ²]	113 (5400 Pa)/84 (4000 Pa)	on Continuous Duty	(
³ See Installation Manual					

Qualifications and Certificates

UL 61730, CE-compliant, Quality Controlled PV - TÜV Rheinland, IEC 61215:2016, IEC 61730:2016, U.S. Patent No. 9,893,215 (solar cells),



 Qcells pursues minimizing paper output in consideration of the global environment.

 Note: Installation instructions must be followed. Contact our technical service for further information on approved installation of this product.

 Hanwha Q CELLS America Inc. 400 Spectrum Center Drive, Suite 1400, Irvine, CA 92618, USA I TEL +1 949 748 59 96 I EMAIL. hqc-inquiry#gqcells.com I WEB www.qcells.com

Tis &* (395.5 mm)	POLY ENERGY 174 CORLEY MILL RD, LEXINGTON, SC 29072 8554976527	OLY RGY
405 410		
405 410 11.17 11.20 45.34 45.37 10.83 10.89 37.39 37.64 ≥20.6 ≥20.9 303.8 307.6 9.00 9.03 42.76 42.79 8.57 8.62 35.46 35.68 AM 1.5 M 1.5 $IOFF (T) = 109\pm5.4$ (43±3°C) Class II TYPE 2 -40°F up to +185°F (-40°C up to +85°C)	EQUIPMENT SPECIFICAT 1. ALL ELECTRICAL EQ CERTIFIED ACCORD NATIONAL REQUIRE NATIONALLY RECOG LABORATORY (NRTL 2. FOR DOCUMENTATION CERTIFICATION, SEE WEBSITE. 3. ALL EQUIPMENT SH/ ACCORDING TO MAN INSTRUCTION.	QUIPMENT SHALL BE ING TO AHJ AND MENTS BY A SNIZED TESTING .). ON SHOWING NRTL E MANUFACTURER ALL BE INSTALLED
Specifications subject to the	SCALE NTS	DATE 4.16.2024
LEISTADRE?	PROJECT INFO	
QCEIIS	MARIE WHITAKER	
	105 WRENCH ST	
	ERWIN, NC 28339	
	SHEET NAME	SHEET NUMBER
	MFG SPEC. SHEETS	PV-6

ENPHASE.



IQ8 Series Microinverters redefine

reliability standards with more than one

million cumulative hours of power-on

testing, enabling an industry-leading

IQ8 Series Microinverters are UL Listed

as PV rapid shutdown equipment and

conform with various regulations, when installed according to the manufacturer's

limited warranty of up to 25 years.

instructions.

IQ8 and IQ8+ Microinverters

Our newest IQ8 Microinverters are the industry's first microgrid-forming, software-defined microinverters with split-phase power conversion capability to convert DC power to AC power efficiently. The brain of the semiconductor-based microinverter is our proprietary application-specific integrated circuit (ASIC), which enables the microinverter to operate in grid-tied or off-grid modes. This chip is built using advanced 55-nm technology with high-speed digital logic and has superfast response times to changing loads and grid events, alleviating constraints on battery sizing for home energy systems.



Part of the Enphase Energy System, IQ8 Series Microinverters integrate with the IQ Battery, IQ Gateway, and the Enphase App monitoring and analysis software.



Connect PV modules quickly and easily to IQ8 Series Microinverters using the included Q-DCC-2 adapter cable with plug-and-play MC4 connectors.

*Meets UL 1741 only when installed with IQ System Controller 2. **IQ8 and IQ8+ support split-phase, 240 V installations only.

© 2023 Enphase Energy. All rights reserved. Enphase, the e and CC logos, IQ, and certain other marks listed at https://enphase.com/trademark-usage-guidelines are trademarks of Enphase Energy, Inc. in the US and other countries. Data subject to change.

Easy to install

· Lightweight and compact with plugand-play connectors

DATA SHEET

- Power line communication (PLC) between components
- Faster installation with simple two-wire cabling

High productivity and reliability

- Produce power even when the grid is down*
- More than one million cumulative hours of testing
- Class II double-insulated enclosure
- Optimized for the latest high-powered PV modules

Microgrid-forming

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

NOTE:

- IQ8 Microinverters cannot be mixed with previous generations of Enphase microinverters (IQ7 Series, IQ6 Series, and so on) in the same system.
- IQ Gateway is required to change the default grid profile at the time of installation to meet local Authority Having Jurisdiction (AHJ) requirements.

IQ8SP-12A-DSH-00207-2.0-EN-US-2023-10-13

IQ8 and IQ8+ Microinverters

INPUT DATA (DC)	UNITS	108-60-2-US	IQ8PLUS-72-
Commonly used module pairings ¹	W	235-350	235-440
Module compatibility	-	To meet compatibility, PV modules must be within maximur Module compatibility can be checked at <u>https://er</u>	
MPPT voltage range	V	27-37	27-45
Operating range	v	16-48	16–58
Minimum/Maximum start voltage	V	22/48	22/58
Maximum input DC voltage	v	50	60
Maximum continuous input DC current	А	10	12
Maximum input DC short-circuit current	А	25	5
Maximum module I _{sc}	А	20)
Overvoltage class DC port	-	Ш	
DC port backfeed current	mA	0	
PV array configuration	-	1 × 1 ungrounded array; no additional DC side protection required	; AC side protection requires maxim
OUTPUT DATA (AC)	UNITS	I08-60-2-US	IQ8PLUS-72-
Peak output power	VA	245	300
Maximum continuous output power	VA	240	290
Nominal grid voltage (L-L)	V	240, split-phas	se (L-L), 180°
Minimum and Maximum grid voltage ²	v	211-2	264
Maximum continuous output current	А	1.0	1.21
Nominal frequency	Hz	60)
Extended frequency range	Hz	47-0	68
AC short-circuit fault current over three cycles	Arms	2	
Maximum units per 20 A (L-L) branch circuit ³	-	16	13
Total harmonic distortion	%	<5	ò
Overvoltage class AC port	-		
AC port backfeed current	mA	30)
Power factor setting	-	1.0)
Grid-tied power factor (adjustable)	-	0.85 leading	0.85 lagging
Peak efficiency	%	97.	7
CEC weighted efficiency	%	97	1
Nighttime power consumption	mW	23	25
MECHANICAL DATA			
Ambient temperature range		-40°C to 60°C (-	-40°F to 140°F)
Relative humidity range		4% to 100% (c	condensing)
DC connector type		MC	4
Dimensions (H × W × D)		212 mm (8.3 in) × 175 mm (6.9 in) × 30.2 mm (1.2 in)
Weight		1.08 kg (2	.38 lbs)
Cooling		Natural convec	tion-no fans
Approved for wet locations		Yes	S
Pollution degree		PD	3
Enclosure		Class II double-insulated, corrosio	n-resistant polymeric enclosure
Environmental category/UV exposure ratin	g	NEMA Туре б	3/Outdoor
COMPLIANCE			

(1) No enforced DC/AC ratio.

Certifications

 (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 microinverter. oinverters per branch in your area.

+ Micı	roin	iverters		EOP	
	UNITS	108-60-2-US	IQ8PLUS-72-2-US		
ngs ¹	W	235-350	235-440		AGY
	-	To meet compatibility, PV modules must be within maximum Module compatibility can be checked at <u>https://enp</u>			
	٧	27-37	27-45		
	v	16-48	16-58	POLY ENERGY	
age	V	22/48	22/58	174 CORLEY MILL RD,	
	v	50	60	LEXINGTON, SC 29072	
Courrent	А	10	12	8554976527	
uit current	A	25	184		
	A	20			
	-	20			
		"			
	mA				
		1×1 ungrounded array; no additional DC side protection required; /			
	UNITS	108-60-2-US	108PLUS-72-2-US		
	VA	245	300		
ower	VA	240	290		
	V	240, split-phase	(L-L), 180°		
oltage ²	V	211-26	4		
current	А	1.0	1.21		
	Hz	60			
	Hz	47-68	3		
over	Arms	2			
	Anns	L			
branch	-	16	13		
	%	<5			
	70				
		30			
	mA				
	-	1.0		1. ALL ELECTRICAL EQ	
able)	-	0.85 leading C	.85 lagging	CERTIFIED ACCORD	
	%	97.7		NATIONAL RECOG	
	%	97		LABORATORY (NRTL	
1	mW	23	25	2. FOR DOCUMENTATIO	
				CERTIFICATION, SEE	
		-40°C to 60°C (-4	0°F to 140°F)	WEBSITE.	
		4% to 100% (cc	ndensing)	3. ALL EQUIPMENT SHA	
		MC4		ACCORDING TO MAN	NUFACTURER
		212 mm (8.3 in) × 175 mm (6.	9 in) × 30.2 mm (1.2 in)	INSTRUCTION.	
		1.08 kg (2.3	8 lbs)		
		Natural convect	on-no fans		
		Yes			
		PD3			
		Class II double-insulated, corrosion	-resistant polymeric enclosure		
xposure rating	1	NEMA Type 6/	Outdoor	SCALE	DATE
				NITO	4.16.2024
		SA), UL 62109-1, IEEE® 1547:2018 (UL 1741-SB 3 rd Ed.), FCC Part 15 C sted as PV rapid shutdown equipment and conforms with NEC 2014		PROJECT INFO	4.10.2024
		218 rapid shutdown of PV Systems, for AC and DC conductors, whe			
eyond nominal if rec ts to define the num		e utility. oinverters per branch in your area.	IQ8SP-12A-DSH-00207-2.0-EN-US-2023-10-13		
				105 WRENCH ST	
				ERWIN, NC 28339	
				SHEET NAME	SHEET NUMBER
				MFG SPEC. SHEETS	
					PV-7

IQ Combiner 4/4C



integrated LTE-M1 cell modem (included only with IQ Combiner 4C) consolidates interconnection equipment into a single enclosure. It streamlines IQ Microinverters and storage installations by providing a consistent, pre-wired solution for residential applications. It offers up to four 2-pole input circuits and Eaton BR series busbar assembly.

The IQ Combiner 4/4C with IQ Gateway and

Smart

- Includes IQ Gateway for communication and control
- Includes Mobile Connect cellular modem (CELLMODEM-M1-06-SP-05), included only with
- IQ Combiner 4C • Includes solar shield to match Enphase IQ Battery
- aesthetics and deflect heat
- · Supports Wi-Fi, Ethernet, or cellular connectivity
- Optional AC receptacle available for PLC bridge • Provides production metering and consumption monitoring

Simple

- Mounts on single stud with centered brackets
- Supports bottom, back and side conduit entry
- Allows up to four 2-pole branch circuits for 240VAC
- plug-in breakers (not included) • 80A total PV or storage branch circuits

Reliable

- Durable NRTL-certified NEMA type 3R enclosure
- Five-year limited warranty
- Two years labor reimbursement program coverage included for both the IQ Combiner SKU's UL listed
- X2-IQ-AM1-240-4 and X2-IQ-AM1-240-4C comply with IEEE 1547:2018 (UL 1741-SB, 3rd Ed.)



IQ Combiner 4/4C

Xi-10, MA1240-41 (IEEE 1547,2013) and consumption monitoring (2.5%), Includes a liker solar shield to match the ID Battery at VarAuA1240-42 (IEEE 1547,2013) VIC AMM-1240-42 and communitor monitoring (2.5%), Include a liker solar shield to match the ID Battery at VarAuA240-42 (IEEE 1547,2018) XI-10, AMM-1240-42 (IEEE 1547,2018) ID Combiner 42 With ID Gateway printer a schutz exhibitor from the ID Battery and US optimic Amounter and to effect thesi. ACCESSORIES AND REPLACEMENT PARTS (on final ULAB2 (IAB (IAB (IAB (IAB (IAB (IAB (IAB (IAB	MODEL NUMBER	
Accordination Continuer 2 ACCORDING CONTRACT IC Continuer 2 Supported microinverters ICA (07, and ICA (06 not mic ICA)/ Microinverters with ICA) Communications KI		IQ Combiner 4 with IQ Gateway printed circuit board for integrated revenue grade PV production met and consumption monitoring (\pm 2.5%). Includes a silver solar shield to match the IQ Battery and IQ Sy
Xii Q-AH and consumption monitoring (2: 3%), includes Mole Connicit cellular mode in (ELLMOR X) Xii Q-AH (REEE 1547-2018) indicit and volume for systems up to Someroiverters, Windlahe In the Us, canadia V wind the installation and a system of the installation in the installation and a system of the installatin and a system of the installatin and a sy		
X240_AM1:240-42 (JEEE 1547:2018) Industrial-grade coll modem for systems up to 50 microinverters. (Available in the US. Canal. Up in Londow of the side space coll modem for systems in the installation and a) includes of the second and to deflect heat. ACCESSORIES AND REPLACEMENT PARTS Included. order separately) Supported microinverters Up (10, 10, 10, 10, 10, 10, 10, 10, 10, 10,		
ACCESSORIES AND REPLACEMENT PARTS (not included, order separately) Supported microinverters IDB, IQ7, and IDB. (D0, not mix IDB/Y Microinverters with IDB) COMMAS-CLLMODEM-MT-06		industrial-grade cell modern for systems up to 60 microinverters. (Available in the US, Canada, Mex US Virgin Islands, where there is adequate cellular service in the installation area.) Includes a silver
Supported microinverters 106,107, and 108. (bo not mix 16/77 Microinverters with 108) Communications Kit	ACCESSORIES AND REPLACEMENT PARTS	
CCMMS CELLMODEM-M1-06 SP-05 - heckder CCMMS-KIT-01 and CELLMODEM-M1-06-SP-05 with Syear Sprint data plan CELMODEM-M1-06-SP-05 - 46 based LTE-M1 cellular modem with Syear Sprint data plan CELMODEM-M1-06-SP-05 - 46 based LTE-M1 cellular modem with Syear Sprint data plan CELMODEM-M1-06-SP-05 - 46 based LTE-M1 cellular modem with Syear Sprint data plan CELMODEM-M1-06-SP-05 - 46 based LTE-M1 cellular modem with Syear Sprint data plan CELMODEM-M1-06-SP-05 - 46 based LTE-M1 cellular modem with Syear Sprint data plan CELMODEM-M1-06-SP-05 - 46 based LTE-M1 cellular modem with Syear Sprint data plan CELMODEM-M1-06-SP-05 - 46 based LTE-M1 cellular modem with Syear Sprint data plan CELMODEM-M1-06-SP-05 - 46 based LTE-M1 cellular modem with Syear Sprint data plan CELMODEM-M1-06-SP-05 - 46 based LTE-M1 cellular modem with Syear Sprint data plan CELMODEM-M1-06-SP-05 - 46 based LTE-M1 cellular modem with Syear Sprint data plan CELMODEM-M1-06-SP-05 - 46 based LTE-M1 cellular modem with Syear Sprint data plan CELMODEM-M1-06-SP-05 - 46 based LTE-M1 cellular modem with Syear Sprint data plan CELMODEM-M1-06-SP-05 - 46 based LTE-M1 cellular modem with Syear Sprint data plan CELMODEM-M1-06-SP-05 - 46 based LTE-M1 cellular modem with Syear Sprint data plan CELMODEM-M1-06-SP-05 - 46 based LTE-M1 cellular modem with Syear Sprint data plan CELMODEM-M1-06-SP-05 - 46 based LTE-M1 - 46 b		
CELLMODEM-M1-06-SP-05 -4 C based LTE-M1 cellular modem with Syear ATS data plan Circuit Dreaker, 2014 Supports Eaton BR210, BR210, BR210, BR200,	Communications Kit	
BRK:16A:-224V Circuit Dreaker, 2001, 5A, Eaton BR210 BRK:20A:-224V Circuit Dreaker, 2001, 5A, Eaton BR215 XSOLARSHILL-ES Replacement solar shield for 1Q Combiner 44C XA:-0LASHILL-ES Accessory receptatel for Power Line Carrier in 10 Combiner 44C (required for EPLC-01) X:-QLASHILL-ES Apair of 200A split core current transformers Consumption monitoring CT A pair of 200A split core current transformers Circuit Dreaker, 2107/240VAC, 60 Hz Eaton BR series busbar rating Eaton BR series busbar rating 65A Max. continuous current rating (nput from PV/storage) 64A Max. continu	CELLMODEM-M1-06-SP-05	- 4G based LTE-M1 cellular modem with 5-year Sprint data plan
XA-PLUG-120-3 Accessory receptacle for Power Line Carrier in 1Q Combiner 4/4C (required for EPLC-01) XI-Q-NA-DD-125A Hold-down ktl for Eaton circuit breaker with screws Consumption monitoring CT (07:200 SPLIT/CT-200-CLAMP) A pair of 200A split core current transformers ELECTRICAL SPECIFICATIONS Continuous duty Rating Continuous duty System voltage 120/240VAC, 60 Hz Eaton BR series busbar rating 65A Max. continuous current rating (input from PV/storage) 64A Max. continuous current rating (input from PV/storage) 64A Max. fuse/circuit rating (output) 60A Branch circuit (sclair and/or storage) Up to four 2-pole Eaton BR series Distributed Generation (DG) breakers only (not included Production metering CT 200A solid core pre-installed and wired to 1Q Gateway breaker Production metering CT 200A solid core pre-installed and wired to 1Q Gateway breaker Dimensions (WxHxD) 37.5 cm x 49.5 cm x 16.8 cm (14.75 in x 19.5 in x 6.63 in). Height is 53.5 cm (21.06 in) with Weight 7.5 kg (16.5 lba) Ambient temperature range -40°C to 44°C (40°F to 115°F) Cooling Natural convection, plus heat shield Enclosure environmental rating Outdoor, NRTL-certified, NEMA type 3R, p	BRK-10A-2-240V BRK-15A-2-240V BRK-20A-2P-240V BRK-15A-2P-240V-B	Circuit breaker, 2 pole, 15A, Eaton BR215 Circuit breaker, 2 pole, 20A, Eaton BR220 Circuit breaker, 2 pole, 15A, Eaton BR215B with hold down kit support
XI-Q-NA-HD-125A Hold-down kit for Eaton circuit breaker with screws Consumption monitoring CT (CF-200-SPLIT/CF-200-CLAMP) A pair of 200A split core current transformers ELECTRICAL SPECIFICATIONS E Rating Continuous duty System voltage 120/240VAC, 60 Hz Eaton Bs eries busbar rating 125A Max. continuous current rating (put from PV/storage) 64A Max. fuse/circuit rating (output) 90A Branch circuits (colar and/or storage) Up to four 2-pole Eaton B series Distributed Generation (DG) breakers only (not include Max. total branch circuit breaker rating (input) (D Gateway breaker 10A or 15A rating GE/Siemens/Eaton included Production metering CT 200A solid core pre-installed and wired to 10 Gateway (D Gateway breaker) 200A solid core pre-installed and wired to 10 Gateway Production metering CT 200A solid core pre-installed and wired to 10 Gateway MECHANICAL DATA 7.5 kg (16.5 lbs) Ambient temperature range -40°C to +46°C (40°F to 115°F) Cooling Natural convection, plus heat shield Enclosure environmental rating Outdoor, NRTL-certified, NEMA type 3/R, polycarbonate construction Wire sizes - 20A to 50A breaker input:: 14 to 4 MWC copper conductors - Natin and ground: 14 to 10 200C opper conductors - Natin and ground: 14 to 10 200C opper conductors - Natin and ground: 14 to 10 200C opper conductors - Natin ing g	XA-SOLARSHIELD-ES	Replacement solar shield for IQ Combiner 4/4C
Consumption monitoring CT (CT-200.SPLIT/CT-200.CLAMP) A pair of 200A split core current transformers (CT-200.SPLIT/CT-200.CLAMP) ELECTRICAL SPECIFICATIONS Ending Continuous duty System voltage 120/240VAC, 60 Hz Eaton BR series busbab rating Distributed State St	XA-PLUG-120-3	Accessory receptacle for Power Line Carrier in IQ Combiner 4/4C (required for EPLC-01)
(CT-200-SPLIT/CT-200-CLAMP) ELECTRICAL SPECIFICATIONS Rating Continuous duty System voltage 120/240/AC, 60 Hz Eaton BR series busbar rating 125A Max. continuous current rating (mput from PV/storage) 64A Max. fuse/circuit rating (output) 90A Branch circuit (solar and/or storage) Up to four 2-pole Eaton BR series Distributed Generation (DG) breakers only (not include Branch circuit (solar and/or storage) UQ Gateway breaker 10A or 15A rating GE/Siemens/Eaton included Production metering CT 200A solid core pre-installed and wired to IQ Gateway Dimensions (WxHxD) 37.5 cm x 49.5 cm x 16.8 cm (14.75 in x 19.5 in x 6.63 in). Height is 53.5 cm (21.06 in) with Weight 7.5 kg (16.5 lbs) Ambient temperature range -40°C to -46°C (-40°F to 115°F) Cooling Natural convection, plus heat shield Enclosure environmental rating Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction Wire sizes -20 to 50.0 breaker inputs: 14 to 4 AWG copper conductors - Neutral and ground: 14 to 10 copper conductors	X-IQ-NA-HD-125A	Hold-down kit for Eaton circuit breaker with screws
Rating Continuous duty System voltage 120/240VAC, 60 Hz Eaton BR series busbar rating 125A Max. continuous current rating (input from PV/storage) 64A Max. fuer/circuit rating (output) 90A Branch circuit (solar and/or storage) Up to four 2-pole Eaton BR series Distributed Generation (D6) breakers only (not included Max. tuse/circuit rating (output) 80A of distributed generation/95A with 1Q Gateway breaker included IQ Gateway breaker 10A or 15A rating GE/Siemens/Eaton included Production metering CT 200A solid core pre-installed and wired to IQ Gateway MECHANICAL DATA MECHANICAL DATA Dimensions (WXHXD) 37.5 cm x 49.5 cm x 16.8 cm (14.75 in x 19.5 in x 6.63 in). Height is 53.5 cm (21.06 in) with Weight 7.5 kg (16.5 lbs) Arbitent temperature range -40°C to +46°C (-40°F to 115°F) Cooling Natural convection, plus heat sheld Enclosure environmental rating Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction Wire sizes - 20A follo convection, plus heat sheld INTERENT CONNECTION OPTIONS - Neutral and ground: 14 to 10 copper conductors - News and and ground: 14 to 10 copper conductors - News and and ground: 14 to 10 copper conductors - News and and ground: 14 to 10 copper conductors - News	1 3	A pair of 200A split core current transformers
System voltage 120/240VAC, 60 Hz Eaton BR series busbar rating 125A Max. continuous current rating (input from PV/storage) 6AA Max. fuse/circuit rating (output) 90A Branch circuits (solar and/or storage) Up to four 2-pole Eaton BR series Distributed Generation (0Cb) breakers only (not include Max. total branch circuit breaker rating (input) 80A of distributed generation/95A with IQ Gateway breaker included Production metering CT 200A solid core pre-installed and wired to IQ Gateway MECHANICAL DATA Dimensions (WxHxD) 37.5 cm x 49.5 cm x 16.8 cm (14.75 in x 19.5 in x 6.63 in). Height is 53.5 cm (21.06 in) with Weight 7.5 kg (16.5 lbs) Ambient temperature range -40°C to +46°C (+40°F to 115°F) Cooling Natural convection, plus heat shield Enclosure environmental rating Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction Wire sizes - 20A to 50A breaker inputs: 14 to 4 AWG copper conductors - Neutral and ground: 14 to 170 copper conductors - Neutral and ground: 14 to 170 copper conductors - Neutral and ground: 14 to 170 copper conductors - Neutral and ground: 14 to 170 copper conductors - Neutral and ground: 14 to 170 copper conductors - Neutral and ground: 14 to 170 copper conductors - Neutral and ground: 14 to 170 copper conductors - Neutral and ground: 14 to 170 copper conductors - Neutral and ground: 14 to 170 copper conductors - Neutral and ground: 14 to 170 copper conductors - Neutral and ground: 14	ELECTRICAL SPECIFICATIONS	
Eaton BR series busbar rating 125A Max. continuous current rating (input from PV/storage) 64A Max. fuse/circuit rating (output) 90A Branch circuits (solar and/or storage) Up to four 2-pole Eaton BR series Distributed Generation (DG) breakers only (not included Max. total branch circuit breaker rating (input) 80A of distributed generation/95A with IQ Gateway breaker included Nax. total branch circuit breaker rating (input) 80A of distributed generation/95A with IQ Gateway breaker included Production metering CT 200A solid core pre-installed and wired to IQ Gateway MECHANICAL DATA Dimensions (WKHxD) Weight 7.5 kg (16.5 lbs) Ambient temperature range -40°C to +46°C (-40°F to 115°F) Cooling Natural convection, plus heat shield Enclosure environmental rating Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction Wire sizes - 20A to 50A breaker inputs: 14 to 4 AWG copper conductors - Neutral and ground: 14 to 1/0 copper conductors - Neutral and ground: 14 to 1/0 copper conductors - Neutral and ground: 14 to 1/0 copper conductors - Neutral and ground: 14 to 1/0 copper conductors - Neutral and ground: 14 to 1/0 copper conductors - Neutral and ground: 14 to 1/0 copper conductors - Neutral and ground: 14 to 1/0 copper conductors - Neutral and ground: 14 to 1/0 copper conductors - Neutral and ground: 14 to 1/0 copper conductors - Neutral and ground: 14 to 1/0 copper conductors - Neutral	Rating	Continuous duty
Max. continuous current rating 65A Max. continuous current rating (input from PV/storage) 64A Max. fuse/circuit (solar and/or storage) Up to four 2-pole Eaton BR series Distributed Generation (DG) breakers only (not included Max. total branch circuit breaker rating (input) 80A of distributed generation/95A with IQ Gateway breaker included IQ Gateway breaker 200A solid core pre-installed and wired to IQ Gateway breaker included Production metering CT 200A solid core pre-installed and wired to IQ Gateway MECHANICAL DATA Dimensions (WxHxD) 37.5 cm x 49.5 cm x 16.8 cm (14.75 in x 19.5 in x 6.63 in). Height is 53.5 cm (21.06 in) with Weight 7.5 kg (16.5 lbs) Ambient temperature range -40°C to +46°C (-40°F to 115°F) Cooling Natural convection, plus heat shield Enclosure environmental rating Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction Wire sizes -60A breaker inputs: 14 to 4 AWC copper conductors - 60A breaker branch input. 4 to 1/0 AWG copper conductors - Main lug combined output: 10 to 2/0 AWG copper conductors - Always follow local code requirements for conductor sizing. Altitude Up to 3.000 meters (9.842 feet) INTERNET CONNECTION OPTIONS Ethernet Optional, IEEE 802.11b/g/n Cellular Cellular Cellular Compliance, IQ Combiner (CA Rule 21 (UL 1741-SA) IEEE 1547:2016 - UL 1741-SA) IEEE 1547:20	System voltage	120/240VAC, 60 Hz
Max. continuous current rating (input from PV/storage) 64A Max. fuse/circuit rating (output) 90A Branch circuits (solar and/or storage) Up to four 2-pole Eaton BR series Distributed Generation (DG) breakers only (not included Max. total branch circuit breaker rating (input) 80A of distributed generation/95A with IQ Gateway breaker included IQ Gateway breaker 10A or 15A rating GE/Siemens/Eaton included Production metering CT 200A solid core pre-installed and wired to IQ Gateway MECHANICAL DATA Dimensions (WxHxD) 37.5 cm x 49.5 cm x 16.8 cm (14.75 in x 19.5 in x 6.63 in). Height is 53.5 cm (21.06 in) with Weight 7.5 kg (16.5 lbs) Ambient temperature range -40°C to +46°C (-40°F to 115°F) Cooling Natural convection, plus heat shield Enclosure environmental rating Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction Wire sizes - 200A to 50A breaker inputs: 14 to 4 AWG copper conductors + 60A breaker branch input: 4 to 170 AWG copper conductors + 80M binal lug combined output: 10 to 2/0 AWG copper conductors + Naway S follow local code requirements for conductors + Naway S follow local code requirements for conductor sizing. Altitude Up to 3,000 meters (9,842 feet) Immessions. INTERNET CONNECTION OPTIONS CELLMODEM-M1-06-SP-05, CELLMODEM-M1-06-AT-05 (4G based LTE-M1 cellular moder cellular modem is required for all Enphase Energy System instal	Eaton BR series busbar rating	125A
Max. fuse/clicuit rating (output) 90A Branch circuits (solar and/or storage) Up to four 2-pole Eaton BR series Distributed Generation (DG) breakers only (not included Max. total branch circuit breaker rating (input) 80A of distributed generation/95A with IQ Gateway breaker included IQ Gateway breaker 10A or 15A rating GE/Siemens/Eaton included Production metering CT 200A solid core pre-installed and wired to IQ Gateway MECHANICAL DATA Dimensions (WxHxD) S7.5 cm x 49.5 cm x 16.8 cm (14.75 in x 19.5 in x 6.63 in). Height is 53.5 cm (21.06 in) with Weight 7.5 kg (16.5 lbs) Ambient temperature range -40°C to +46°C (-40°F to 115°F) Cooling Natural convection, plus heat shield Enclosure environmental rating Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction Wire sizes - 20A to 50A breaker inputs: 14 to 4 AWG copper conductors - 60A breaker branch input: 14 to 1/0 AWG copper conductors - Main lug combined output: 10 to 2/0 AWG copper conductors - Main lug combined output: 10 to 2/0 AWG copper conductors - Main lug combined output: 10 to 2/0 AWG copper conductors - Always follow local code requirements for conductor sizing. Interpreted Wi-Fi IEEE 802.11b/g/n Cellular CELLMODEM-M1-06-SP-05, CELLMODEM-M1-06-AT-05 (4G based LTE-M1 cellular mode cellular modem is required for all Enphase Energy System installations. Eth	Max. continuous current rating	65A
Branch circuits (solar and/or storage) Up to four 2-pole Eaton BR series Distributed Generation (DG) breakers only (not included Max. total branch circuit breaker rating (input) 80A of distributed generation/95A with IQ Gateway breaker included IQ Gateway breaker 10A or 15A rating GE/Siemens/Eaton included Production metering CT 200A solid core pre-installed and wired to IQ Gateway MECHANICAL DATA 37.5 cm x 49.5 cm x 16.8 cm (14.75 in x 19.5 in x 6.63 in). Height is 53.5 cm (21.06 in) with Weight 7.5 kg (16.5 lbs) Ambient temperature range -40°C to +46°C (-40°F to 115°F) Cooling Natural convection, plus heat shield Enclosure environmental rating Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction Wire sizes - 20 to 15 Ab breaker input: 14 to 4 AWG copper conductors - 60A breaker branch input: 4 to 1/0 Copper conductors - Main lug combined output: 10 to 2/0 AWG copper conductors - Navays follow local code requirements for conductor sizing. Altitude Up to 3,000 meters (9,842 feet) INTERNET CONNECTION OPTIONS CELLMODEM-M1-06-SP-05, CELLMODEM-M1-06-AT-05 (46 based LTE-M1 cellular mode cellular modem is required for all Enphase Energy System installations. Ethernet Optional, IEEE 802.11b/g/n Compliance, IQ Combiner CA Rule 21 (UL 1741-SA) IEEE 1547.2018 - UL 1741-SB, 3° Ed. (X2-10-AM1-240-4 and X2-10-AM1-240-4C) CAAVCSA C22 z No, 10	Max. continuous current rating (input from PV/storage)	64A
Max. total branch circuit breaker rating (input) 80A of distributed generation/95A with IQ Gateway breaker included IQ Gateway breaker 10A or 15A rating GE/Siemens/Eaton included Production metering CT 200A solid core pre-installed and wired to IQ Gateway MECHANICAL DATA Dimensions (WxHxD) 37.5 cm x 49.5 cm x 16.8 cm (14.75 in x 19.5 in x 6.63 in). Height is 53.5 cm (21.06 in) with Weight 7.5 kg (16.5 lbs) Ambient temperature range -40°C to +46°C (-40°F to 115°F) Cooling Natural convection, plus heat shield Enclosure environmental rating Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction Wire sizes - 200A to 50A breaker inputs: 14 to 4 XMG copper conductors - 60A breaker branch input: 4 to 1/0 AWG copper conductors - Nalin lug combined output: 10 to 2/0 AWG copper conductors - Nalin lug combined output: 10 to 2/0 AWG copper conductors - Nalin lug combined output: 10 to 2/0 AWG copper conductors - Nalin lug combined output: 10 to 2/0 AWG copper conductors - Nalin lug combined output: 10 to 2/0 AWG copper conductors - Nalin lug combined output: 10 to 2/0 AWG copper conductors - Nalin lug combined output: 10 to 2/0 AWG copper conductors - Nalin lug combined output: 10 to 2/0 AWG copper conductors - Neutral and ground: 14 to 1/0 coppe	Max. fuse/circuit rating (output)	
IQ Gateway breaker 10A or 15A rating GE/Siemens/Eaton included Production metering CT 200A solid core pre-installed and wired to IQ Gateway MECHANICAL DATA 37.5 cm x 49.5 cm x 16.8 cm (14.75 in x 19.5 in x 6.63 in). Height is 53.5 cm (21.06 in) with Weight 7.5 kg (16.5 lbs) Ambient temperature range -40°C to +46°C (-40°F to 115°F) Cooling Natural convection, plus heat shield Enclosure environmental rating Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction Wire sizes -20A to 50A breaker inputs: 14 to 4 AWG copper conductors • 60A breaker branch input: 4 to 170 AWG copper conductors • Main lug combined output: 10 to 2/0 AWG copper conductors • Main ug combined output: 10 to 2/0 AWG copper conductors • Always follow local code requirements for conductor sizing. Altitude Up to 3,000 meters (9,842 feet) INTERNET CONNECTION OPTIONS IEEE 802.11b/g/n Cellular CELLMODEM-M1-06-SP-05, CELLMODEM-M1-06-AT-05 (4G based LTE-M1 cellular mode cellular modem is required for all Enphase Energy System installations. Ethernet Optional, IEEE 802.3, Cat5E (or Cat6) UTP Ethernet cable (not included) COMPLIANCE CARule 21 (UL 1741-SA), 3* Ed. (X2-10-AM1-240-4 and X2-10-AM1-240-4C) CAN/CSA C22.2 No. 1071, Tid +72 CFR, Part 15, Class B, ICES 003 Production metering: accuracy class 2.5 (PV production) Consumption metering: accuracy class 2.5 (PV production) Consumption metering: accuracy class 2.5 (PV p	Branch circuits (solar and/or storage)	Up to four 2-pole Eaton BR series Distributed Generation (DG) breakers only (not included)
Production metering CT 200A solid core pre-installed and wired to IQ Gateway MECHANICAL DATA Dimensions (WxHxD) 37.5 cm x 49.5 cm x 16.8 cm (14.75 in x 19.5 in x 6.63 in). Height is 53.5 cm (21.06 in) with Weight 7.5 kg (16.5 lbs) Ambient temperature range -40°C to +46°C (-40°F to 115°F) Cooling Natural convection, plus heat shield Enclosure environmental rating Outdoor, NRTL-certified, NEMA type 38, polycarbonate construction Wire sizes -20 A to 50 A breaker inputs: 14 to 1/0 AWG copper conductors • 60A breaker branch input: 4 to 1/0 AWG copper conductors • Neutral and ground: 14 to 1/0 copper conductors • Neutral and ground: 14 to 1/0 copper conductors • Always follow local code requirements for conductor sizing. Altitude Up to 3,000 meters (9,842 feet) INTERNET CONNECTION OPTIONS IEEE 802.11b/g/n Cellular CELLMODEM-M1-06-SP-05, CELLMODEM-M1-06-AT-05 (4G based LTE-M1 cellular mode cellular modes for all Enphase Energy System installations. Ethernet Optional, IEEE 802.3, Cat5E (or Cat6) UTP Ethernet cable (not included) COMPLIANCE CARule 21 (UL 1741-SA) IEEE 1547:2018 - UL 1741-SB, 3" Ed. (X2-10-AM1-240-4AM1 22-10-AM1-240-4C) CAN/CSA C22, ZNo. 1071, Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI Cl2.20 accuracy class 0.5 (PV production) Consumption metering: ANSI Cl2.20 accuracy class 0.5 (PV production) Consumption metering: ANSI Cl2.20 accuracy class 0.5 (PV production) Consumption		
MECHANICAL DATA Dimensions (WxHxD) 37.5 cm x 49.5 cm x 16.8 cm (14.75 in x 19.5 in x 6.63 in). Height is 53.5 cm (21.06 in) with Weight 7.5 kg (16.5 lbs) Ambient temperature range -40°C to +46°C (-40°F to 115°F) Cooling Natural convection, plus heat shield Enclosure environmental rating Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction Wire sizes - 20A to 50A breaker inputs: 14 to 14 AWG copper conductors • 60A breaker branch input: 4 to 170 AWG copper conductors • Main lug combined output: 10 to 2/0 AWG copper conductors • Neutral and ground: 14 to 170 copper conductors • Neutral and ground: 14 to 170 copper conductors sizing. Altitude Up to 3,000 meters (9,842 feet) INTERNET CONNECTION OPTIONS Integrated Wi-Fi Cellular CELLMODEM-M1-06-SP-05, CELLMODEM-M1-06-AT-05 (46 based LTE-M1 cellular mode cellular modem is required for all Enphase Energy System installations. Ethernet Optional, IEEE 802.3 cat5E (or Cat6) UTP Ethernet cable (not included) COMPLIANCE CARule 21 (UL 1741-SA) IEEE 1547:2018 - UL 1741-SB, 3" Ed. (X2-10-AM1-240-4 and X2-10-AM1-240-4C) CAN/CSA C22.2 No. 107.1, Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI C12.20 accuracy class 0.5 (PV production) Consumption metering: ANSI C12.20 accuracy class 0.	IQ Gateway breaker	10A or 15A rating GE/Siemens/Eaton included
Dimensions (WxHxD) 37.5 cm x 49.5 cm x 16.8 cm (14.75 in x 19.5 in x 6.63 in). Height is 53.5 cm (21.06 in) wit Weight 7.5 kg (16.5 lbs) Ambient temperature range -40°C to +46°C (-40°F to 115°F) Cooling Natural convection, plus heat shield Enclosure environmental rating Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction Wire sizes - 20A to 50A breaker inputs: 14 to 1/0 AWG copper conductors - 60A breaker branch input: 4 to 1/0 AWG copper conductors - Main lug combined output: 10 to 2/0 AWG copper conductors - Neutral and ground: 14 to 1/0 copper conductors - Neutral and ground: 14 to 1/0 copper conductors - Neutral and ground: 14 to 1/0 copper conductors Altitude Up to 3,000 meters (9,842 feet) INTERNET CONNECTION OPTIONS IEEE 802.11b/g/n Cellular CELLMODEM-M1-06-SP-05, CELLMODEM-M1-06-AT-05 (4G based LTE-M1 cellular mode cellular modem is required for all Enphase Energy System installations. Ethernet Optional, IEEE 802.3, Cat5E (or Cat6) UTP Ethernet cable (not included) COMPLIANCE CARule 21 (UL 1741-SA) IEEE 1547:2018 - UL 1741-SB, 3" Ed. (X2-10-AM1-240-4 and X2-10-AM1-240-4C) CAN/CSA C22.2 No. 107.1, Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI C12.20 accuracy class 0.5 (PV production) Consumption metering: ANSI C12.20 accuracy class 0.5 (PV p	Production metering CT	200A solid core pre-installed and wired to IQ Gateway
Weight 7.5 kg (16.5 lbs) Ambient temperature range -40°C to +46°C (-40°F to 115°F) Cooling Natural convection, plus heat shield Enclosure environmental rating Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction Wire sizes - 20A to 50A breaker inputs: 14 to 4 AWG copper conductors 60A breaker branch input: 4 to 1/0 AWG copper conductors 60A breaker branch input: 10 to 2/0 AWG copper conductors 60A breaker branch input: 4 to 1/0 AWG copper conductors 60A breaker branch input: 4 to 1/0 AWG copper conductors Main lug combined output: 10 to 2/0 AWG copper conductors Main lug combined output: 10 to 2/0 AWG copper conductors Main lug combined output: 10 to 2/0 AWG copper conductors Neutral and ground: 14 to 1/0 copper conductors Neutral and ground: 14 to 1/0 copper conductors<	MECHANICAL DATA	
Ambient temperature range -40°C to +46°C (-40°F to 115°F) Cooling Natural convection, plus heat shield Enclosure environmental rating Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction Wire sizes - 20A to 50A breaker inputs: 14 to 4 AWG copper conductors - 60A breaker branch input: 14 to 1/0 AWG copper conductors - Main lug combined output: 10 to 2/0 AWG copper conductors - Always follow local code requirements for conductor sizing. Altitude Up to 3,000 meters (9,842 feet) INTERNET CONNECTION OPTIONS IEEE 802.11b/g/n Cellular CELLMODEM-M1-06-SP-05, CELLMODEM-M1-06-AT-05 (46 based LTE-M1 cellular mode cellular modem is required for all Enphase Energy System installations. Ethernet Optional, IEEE 802.3, Cat5E (or Cat6) UTP Ethernet cable (not included) COMPLIANCE CA Rule 21 (UL 1741-SA) IEEE 1547:2018 - UL 1741-SB, 3 ^{er} Ed. (X2-IQ-AM1-240-4 and X2-IQ-AM1-240-4C) CAN/CSA C22.2 No. 107.1, Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI Cl2.20 accuracy class 0.5 (PV production) Consumption metering: accuracy class 0.5 (PV production) Consumption met	Dimensions (WxHxD)	37.5 cm x 49.5 cm x 16.8 cm (14.75 in x 19.5 in x 6.63 in). Height is 53.5 cm (21.06 in) with mour
Cooling Natural convection, plus heat shield Enclosure environmental rating Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction Wire sizes • 20A to 50A breaker inputs: 14 to 4 AWG copper conductors • 60A breaker branch inputs: 14 to 1/0 AWG copper conductors • 60A breaker branch inputs: 10 to 2/0 AWG copper conductors • Main lug combined outputs: 10 to 2/0 AWG copper conductors • Neutral and ground: 14 to 1/0 copper conductor sizing. Altitude Up to 3,000 meters (9,842 feet) INTERNET CONNECTION OPTIONS IEEE 802.11b/g/n Cellular CELLMODEM-M1-06-SP-05, CELLMODEM-M1-06-AT-05 (4G based LTE-M1 cellular mode cellular modem is required for all Enphase Energy System installations. Ethernet Optional, IEEE 802.3, Cat5E (or Cat6) UTP Ethernet cable (not included) COMPLIANCE CA Rule 21 (UL 1741-SA) IEEE 1547:2018 - UL 1741-SB, 3 rd Ed. (X2-IQ-AM1-240-4 and X2-IQ-AM1-240-4C) CANVCSA C22.2 No. 107.1 Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI Title 4	Weight	7.5 kg (16.5 lbs)
Enclosure environmental rating Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction Wire sizes 20A to 50A breaker inputs: 14 to 4 AWG copper conductors · 60A breaker branch input: 4 to 1/0 AWG copper conductors · 60A breaker branch input: 4 to 1/0 AWG copper conductors · Main lug combined output: 10 to 2/0 AWG copper conductors · Neutral and ground: 14 to 1/0 copper conductors · Neutral and ground: 14 to 1/0 copper conductors · Neutral and ground: 14 to 1/0 copper conductors · Neutral and ground: 14 to 1/0 copper conductors · Neutral and ground: 14 to 1/0 copper conductors · Neutral and ground: 14 to 1/0 copper conductors · Neutral and ground: 14 to 1/0 copper conductors · Neutral and ground: 14 to 1/0 copper conductors · Neutral and ground: 14 to 1/0 copper conductors · Neutral and ground: 14 to 1/0 copper conductors · Neutral and ground: 14 to 1/0 copper conductors · Neutral and ground: 14 to 1/0 copper conductors · Neutral and ground: 14 to 1/0 copper conductors · Neutral and ground: 14 to 1/0 copper conductors · Neutral and ground: 14 to 1/0 copper conductors · Neutral and ground: 14 to 1/0 copper conductors · Neutral and ground: 14 to 1/0 copper conductors Integrated Wi-Fi IEEE 802.11b/g/n IEEE 802.11b/g/n Cellular Cellular modem is required for all Enphase Energy System installations. IEEE 154	Ambient temperature range	-40°C to +46°C (-40°F to 115°F)
Wire sizes 20A to 50A breaker inputs: 14 to 4 AWG copper conductors 60A breaker branch input: 4 to 1/0 AWG copper conductors Main lug combined output: 10 to 2/0 AWG copper conductors Main lug combined output: 10 to 2/0 AWG copper conductors Neutral and ground: 14 to 1/0 copper conductors Always follow local code requirements for conductor sizing. Altitude Up to 3,000 meters (9,842 feet) INTERNET CONNECTION OPTIONS Integrated Wi-Fi Cellular CelLLMODEM-M1-06-SP-05, CELLMODEM-M1-06-AT-05 (4G based LTE-M1 cellular mode cellular modem is required for all Enphase Energy System installations. Ethernet Optional, IEEE 802.3, Cat5E (or Cat6) UTP Ethernet cable (not included) COMPLIANCE Compliance, IQ Combiner CA Rule 21 (UL 1741-SA) IEEE 1547:2018 - UL 1741-SB, 3rd Ed. (X2-IQ-AM1-240-4 and X2-IQ-AM1-240-4C) CAN/CSA C22.2 No. 107.1, Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI C12.20 accuracy class 0.5 (PV production) Consumption metering: ASUS 101.2 Ocnsumption metering: ASUS 101.2 O 2022 Enphase Energy. All rights reserved. Enphase logo, IQ Combiner 4/4C, and other names are trademarks of 	Cooling	Natural convection, plus heat shield
Wire sizes • 20A to 50A breaker inputs: 14 to 4 AWG copper conductors • 60A breaker branch input: 4 to 1/0 AWG copper conductors • 60A breaker branch input: 4 to 1/0 AWG copper conductors • Main lug combined output: 10 to 2/0 AWG copper conductors • Neutral and ground: 14 to 1/0 conductors • Neutral and and ground: 14 to 1/0 conductor	Enclosure environmental rating	Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction
INTERNET CONNECTION OPTIONS Integrated Wi-Fi ILtegrated Wi-Fi IEEE 802.11b/g/n Cellular CELLMODEM-M1-06-SP-05, CELLMODEM-M1-06-AT-05 (4G based LTE-M1 cellular mode cellular modem is required for all Enphase Energy System installations. Ethernet Optional, IEEE 802.3, Cat5E (or Cat6) UTP Ethernet cable (not included) COMPLIANCE CA Rule 21 (UL 1741-SA) IEEE 1547:2018 - UL 1741-SB, 3" Ed. (X2-IQ-AM1-240-4 and X2-IQ-AM1-240-4C) CAN/CSA C22.2 No. 107.1, Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI C12.20 accuracy class 0.5 (PV production) Consumption metering: accuracy class 2.5 Compliance, IQ Gateway UL 60601-1/CANCSA 22.2 No. 61010-1 © 2022 Enphase Energy. All rights reserved. Enphase, the Enphase logo, IQ Combiner 4/4C, and other names are trademarks of	Wire sizes	 60A breaker branch input: 4 to 1/0 AWG copper conductors Main lug combined output: 10 to 2/0 AWG copper conductors Neutral and ground: 14 to 1/0 copper conductors
Integrated Wi-Fi IEEE 802.11b/g/n Cellular CELLMODEM-M1-06-SP-05, CELLMODEM-M1-06-AT-05 (4G based LTE-M1 cellular moder cellular modem is required for all Enphase Energy System installations. Ethernet Optional, IEEE 802.3, Cat5E (or Cat6) UTP Ethernet cable (not included) COMPLIANCE CA Rule 21 (UL 1741-SA) IEEE 1547:2018 - UL 1741-SB, 3rd Ed. (X2-IQ-AM1-240-4 and X2-IQ-AM1-240-4C) CAN/CSA C22.2 No. 107.1, Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI C12.20 accuracy class 0.5 (PV production) Consumption metering: accuracy class 2.5 Compliance, IQ Gateway UL 60601-1/CANCSA 22.2 No. 61010-1 © 2022 Enphase Energy. All rights reserved. Enphase logo, IQ Combiner 4/4C, and other names are trademarks of	Altitude	Up to 3,000 meters (9,842 feet)
Cellular CELLMODEM-M1-06-SP-05, CELLMODEM-M1-06-AT-05 (4G based LTE-M1 cellular moder cellular moder is required for all Enphase Energy System installations. Ethernet Optional, IEEE 802.3, Cat5E (or Cat6) UTP Ethernet cable (not included) COMPLIANCE CA Rule 21 (UL 1741-SA) IEEE 1547:2018 - UL 1741-SB, 3rd Ed. (X2-IQ-AM1-240-4 and X2-IQ-AM1-240-4C) CAN/CSA C22.2 No. 107.1, Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI C12.20 accuracy class 0.5 (PV production) Consumption metering: accuracy class 2.5 Compliance, IQ Gateway UL 60601-1/CANCSA 22.2 No. 61010-1 © 2022 Enphase Energy, All rights reserved. Enphase logo, IQ Combiner 4/4C, and other names are trademarks of	INTERNET CONNECTION OPTIONS	
cellular modem is required for all Enphase Energy System Installations. Ethernet Optional, IEEE 802.3, CatSE (or Cat6) UTP Ethernet cable (not included) COMPLIANCE CA Rule 21 (UL 1741-SA) IEEE 1547:2018 - UL 1741-SB, 3rd Ed. (X2-IQ-AM1-240-4 and X2-IQ-AM1-240-4C) CANI/CSA C22.2 No. 107.1 Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI C12.20 accuracy class 0.5 (PV production) Consumption metering: accuracy class 2.5 Compliance, IQ Gateway UL 60601-1/CANCSA 22.2 No. 61010-1 © 2022 Enphase Energy. All rights reserved. Enphase logo, IQ Combiner 4/4C, and other names are trademarks of	Integrated Wi-Fi	IEEE 802.11b/g/n
COMPLIANCE Compliance, IQ Combiner CA Rule 21 (UL 1741-SA) IEEE 1547:2018 · UL 1741-SB, 3 rd Ed. (X2-IQ-AM1-240-4 and X2-IQ-AM1-240-4C) CAN/CSA C22.2 No. 107.1, Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI C12.20 accuracy class 0.5 (PV production) Consumption metering: accuracy class 2.5 Compliance, IQ Gateway UL 60601-1/CANCSA 22.2 No. 61010-1 © 2022 Enphase Energy, All rights reserved. Enphase, the Enphase logo, IQ Combiner 4/4C, and other names are trademarks of		
Compliance, IQ Combiner CA Rule 21 (UL 1741-SA) IEEE 1547:2018 - UL 1741-SB, 3rd Ed. (X2-IQ-AM1-240-4 and X2-IQ-AM1-240-4C) CAN/CSA C22.2 No. 107.1, Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI C12.20 accuracy class 0.5 (PV production) Consumption metering: accuracy class 2.5 Compliance, IQ Gateway UL 60601-1/CANCSA 22.2 No. 61010-1 © 2022 Enphase Energy. All rights reserved. Enphase, the Enphase logo, IQ Combiner 4/4C, and other names are trademarks of		Optional, IEEE 802.3, Cat5E (or Cat6) UTP Ethernet cable (not included)
IEEE 1547:2018 - UL 1741-SB, 3°4 Ed. (X2-IQ-AM1-240-4 and X2-IQ-AM1-240-4C) CAN/CSA C22.2 No. 107.1, Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI C12.20 accuracy class 0.5 (PV production) Consumption metering: accuracy class 2.5 Compliance, IQ Gateway UL 60601-1/CANCSA 22.2 No. 61010-1 © 2022 Enphase Energy, All rights reserved. Enphase logo, IQ Combiner 4/4C, and other names are trademarks of		
© 2022 Enphase Energy. All rights reserved. Enphase, the Enphase logo, IQ Combiner 4/4C, and other names are trademarks of	Compliance, IQ Combiner	IEEE 1547:2018 - UL 1741-SB, 3 ^{ed} Ed. (X2-IQ-AM1-240-4 and X2-IQ-AM1-240-4C) CAN/CSA C22.2 No. 107.1, Title 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI C12.20 accuracy class 0.5 (PV production)
	Compliance, IQ Gateway	UL 60601-1/CANCSA 22.2 No. 61010-1
		Enphase logo, IQ Combiner 4/4C, and other names are trademarks of IQ-C-4-4C-DS-0

To learn more about Enphase offerings, visit enphase.com IQ-C-4-4C-DS-0103-EN-US-12-29-2022

LISTED

tering (ANSI C12.20 ± 0.5%) ystem Controller 2 and to	ENERGY
netering (ANSI C12.20 ± 0.5%) I-06-SP-05), a plug-and-play kico, Puerto Rico, and the solar shield to match the	POLY ENERGY 174 CORLEY MILL RD, LEXINGTON, SC 29072 8554976527
nting brackets.	 EQUIPMENT SPECIFICATION NOTES ALL ELECTRICAL EQUIPMENT SHALL BE CERTIFIED ACCORDING TO AHJ AND NATIONAL REQUIREMENTS BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL). FOR DOCUMENTATION SHOWING NRTL CERTIFICATION, SEE MANUFACTURER WEBSITE. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER INSTRUCTION.
ote that an Mobile Connect	
	SCALEDATENTS4.16.2024
0103-EN-US-12-29-2022	PROJECT INFO MARIE WHITAKER
	105 WRENCH ST ERWIN, NC 28339
	SHEET NAMESHEET NUMBERMFG SPEC. SHEETSPV-8



A BETTER DAY ON THE JOB

COMP MOUNT

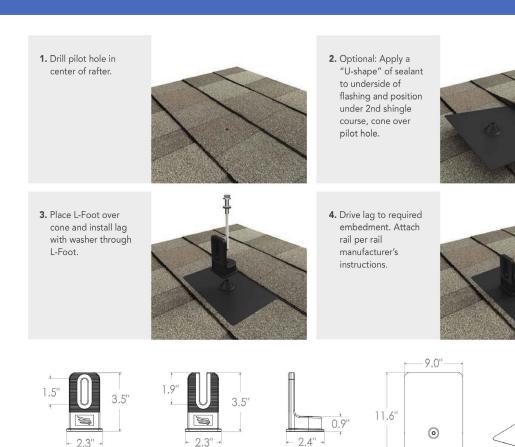
COMP MOUNT



WATERTIGHT FOR LIFE

Pegasus Solar's Comp Mount is a cost effective, high-quality option for rail installations on composition shingle roofs. Designed to last decades, the one-piece flashing with elevated cone means there is simply nothing to fail.





Specifications	Comp Mount Install Kit			
SKU	PSCR-C0	PSCR-U0	SPCR-	
L-foot Type	Closed Slot	Open Slot	Closed	
Kit Contents	L-Foot, Flashing, 5/16" SS Lag w/ EPDM washer	L-Foot, Flashing, 5/16" SS Lag w/ EPDM washer	L-Foot, Flashing, w/ EPDM washer,	
Finish	Black (L-foot and Flashing)			
Roof Type	Composition Shingle			
Certifications	IBC, ASCE/SEI 7-10, AC286			
Install Application	Railed Systems			
Compatible Rail	All			
Flashing Material	Painted Galvalume Plus			
L-Foot Material	Aluminum			
Kit Quantity	24			
Boxes Per Pallet	72			

Patents Pending. All rights reserved. © 2018 Pegasus Solar Inc.

Pegasus Solar Inc • 100 West Ohio Avenue, Richmond, CA 94804 • T: 510.730.1343 • www.pegasussolar.com

Pegasus Solar Inc • 100 West Ohio Avenue, Richmond, CA 94804 • T: 510.730.1343 • www.pegasussol

R-CH d Slot g, 5/16" SS Lag r, M10 Hex Bolt 2 STATIONAL REQUIREMENTS BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL). 2. FOR DOCUMENTATION SHOWING NRTL CERTIFICATION, SEE MANUFACTURER WEBSITE. 3. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER INSTRUCTION. SCALE NTS DATE 4.16.2024 PROJECT INFO MARIE WHITAKER			
Image: State of the second state of		ENE	<mark>oly</mark> Rgy
R-CH d Slot g, 5/16" SS Lag r, M10 Hex Bolt 2 STATIONAL REQUIREMENTS BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL). 2. FOR DOCUMENTATION SHOWING NRTL CERTIFICATION, SEE MANUFACTURER WEBSITE. 3. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER INSTRUCTION. SCALE NTS DATE 4.16.2024 PROJECT INFO MARIE WHITAKER		174 CORLEY MILL RD, LEXINGTON, SC 29072	
R-CH d Slot g, 5/16" SS Lag r, M10 Hex Bolt 2 STATIONAL REQUIREMENTS BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL). 2. FOR DOCUMENTATION SHOWING NRTL CERTIFICATION, SEE MANUFACTURER WEBSITE. 3. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER INSTRUCTION. SCALE NTS DATE 4.16.2024 PROJECT INFO MARIE WHITAKER			
R-CH d Slot g, 5/16" SS Lag NATIONAL REQUIREMENTS BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL). 2. FOR DOCUMENTATION SHOWING NRTL CERTIFICATION, SEE MANUFACTURER WEBSITE. 3. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER INSTRUCTION. SCALE DATE 4.16.2024 PROJECT INFO MARIE WHITAKED			
NTS 4.16.2024	R-CH ed Slot g, 5/16" SS Lag er, M10 Hex Bolt	CERTIFIED ACCORD NATIONAL REQUIRE NATIONALLY RECOOL LABORATORY (NRTI 2. FOR DOCUMENTATI CERTIFICATION, SEI WEBSITE. 3. ALL EQUIPMENT SH ACCORDING TO MAI	DING TO AHJ AND EMENTS BY A GNIZED TESTING L). ON SHOWING NRTL E MANUFACTURER ALL BE INSTALLED
PROJECT INFO		SCALE	
r.com MARIE WHITAKER			4.16.2024
	ar.com	MARIE WHITAKER	
105 WRENCH ST ERWIN, NC 28339			
SHEET NAME SHEET NUMBER MFG SPEC. SHEETS PV-9			



RAIL SYSTEM

RAIL SYSTEM



Next-Level Solar Mounting

A complete system for hassle-free rooftop installation, from watertight mounts to lifetime wire management.

 \bigcirc

Premium Aesthetics

The narrowest panel gap



Simplicity

1/2"socket for everything. One clamp for mid or end. No tool splicing and bonding. Easy wire management.

Ľ	
Code Compliant	

UL 2703 listed LTR-AE-001-2012 listed

available. Optional Hidden End Clamps and End Caps provide a ASCE 7-16 PE Certified flush look on the edge of the array.



Watertight for Life

Secured on industry-leading Pegasus Mounts, for composite shingle and tile roofs. Backed by a 25-year warranty.

Pegasus Solar Inc | 506 West Ohio Avenue, Richmond, CA 94804 | T: 510.210.3797 | www.pegasussolar.com

Pegasus Rail	Pegasus Max Rail	Splice and Max Splice	Dove
Available in 14' and 7' lengths for easy layout and shipping. Open-channel design holds MC4 connectors, PV wire and trunk cables. Black and Mill finish	Maximum-strength design. Meets specifications for high snow-load and hurricane zones. Black and Mill finish	Installs by hand. Works over mounts. Structurally connects and bonds rails automatically; UL2703 listed as reusable.	Dovetail shape for Uses ½" socket.
Multi-Clamp	Hidden End Clamp	Ground Lug	N-S Bond
Fits 30-40mm PV frames, as mid- or end-clamp. Twist-locks into position; doesn't pinch wires in rail. Bonds modules to rail; UL2703 listed as reusable	Offers premium edge appearance. Preinstalled pull-tab grips rail edge, allowing easy, one-hand installation. Tucks away for reuse.	Holds 6 or 8 AWG wire. Mounts on top or side of rail. Assembled on MLPE Mount. UL2703 listed as reusable.	Installs by hand, el copper wire. UL2703 listed as rr with Pegasus Rail.



or reuse.	UL2703

LOAD

WIND (MP

120

160

190

140 160

190

160

190

190

190

190



Wire Clip



ecures and bonds most micro-inverters	Sec
nd optimizers to rail.	Stai
onnectors and wires easily route	dur
nderneath after installation.	Elim
L2703 listed as reusable.	

MLPE Mount

cures four PV wires or two trunk cables. inless-steel backing provides ırable grip. minates sagging wires.

0

15

30

45

70

110

Cable Grip

Hand operable. Holds wires in channel. Won't slip.

Fits flush to PV module and hides raw or angled cuts. Hidden drain quickly clears water from rail.

PEGASUS RAIL

SPAN

Certifications: • UL 2703, Edition 1 (SP • LTR-AE-001-2012 ASCE 7-16 PE certified C

• Class A fire rating for any slope roof



Quickly calculate the most efficient layout, spans and materials needed to suit your job. Visit the Pegasus Customer Portal. pegasussolar.com/portal

Patents pending. All rights reserved. ©2021 Pegasus Solar Inc.

For reference only. Spans above are calculated using ASCE 7-16 for a Gable Roof, Exposure Category B, 7-20deg roof angle, 30ft mean roof height with non-exposed modules. For PE certified span tables, visit www.pegasussolar.com/spans.

Pegasus Solar Inc | 506 West Ohio Avenue, Richmond, CA 94804 | T: 510.210.3797 | www.pegasussolar.com



etail T-bolt

for extra strength.



g Jumper

eliminates row-to-rov

reusable only



End Cap and Max End Cap

		8′		
P	EGASUS	MAX	RAIL	



POLY ENERGY 174 CORLEY MILL RD, LEXINGTON, SC 29072 8554976527

EQUIPMENT SPECIFICATION NOTES ALL ELECTRICAL EQUIPMENT SHALL BE 1. CERTIFIED ACCORDING TO AHJ AND NATIONAL REQUIREMENTS BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL).

- 2. FOR DOCUMENTATION SHOWING NRTL CERTIFICATION, SEE MANUFACTURER WEBSITE.
- 3. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER INSTRUCTION.

SCALE	<u>DATE</u>	
NTS	4.16.2024	
PROJECT INFO		

MARIE WHITAKER

105 WRENCH ST **ERWIN, NC 28339**

SHEET NAME MFG SPEC. SHEETS SHEET NUMBER PV-10