



2022-11-19 14:55:47 PST



2022-11-19 14:55:55 PST

← Devices & Array

Connected to ENVOY_059299. Don't move your device away from IQ Gateway.

Note: The PV production values are typically updated every ~5 mins.

IQ Gateway >

202210059299

IQ Microinverters & Array >

- ✓ Scanned : 12/12
- ✓ Detected : 12/12
- ✓ Communicating : 12/12
- ✓ Array created : 1
- ✓ Array assigned : 1
- ✓ Producing power : 12/12
- ✓ Profile set : 12/12 (IEEE 1547 default 2015:1.0.11)

ADD DEVICE



Systems



Dashboard



Support



Menu

2022-11-19 14:58:04 PST



IQ Gateway Summary



Connected to ENVOY_059299. Don't move your device away from IQ Gateway.

IQ Gateway Communications Gateway Report

18 Nov 2022, 03:36 PM

System

Name	Installer Reference	Owner
Joshua Leary	LIS11972	josh.leary21@gmail.com
Street 1		Street 2
390 Ray Byrd Road		NA
City		State
Lillington		NC
Zip/Postal Code		Country
27546		United States

IQ Gateway

Serial number	Software version	Type
20221009299	D7.3.120 (ac7b3c)	IQ Gateway Metered
Production Meter	Consumption Meter	Rate structure
Lifetime: 24.79 kWh Status: Normal	Lifetime: 0.01 Wh (importing) Status: Normal	NA
Connection to Enphase Cloud	Last report to Enphase Cloud	Grid Profile
Wi-Fi	18 Nov 2022, 03:34 PM	Grid Profile : IEEE-1547 default 2018.1.0.11

12 IQ Microinverters

12 IQ Microinverters IQ8+

Serial number	Last report	Power	Grid Profile
202237053080	18 Nov 2022, 03:32 PM	146 W	SE
202237125252	18 Nov 2022, 03:32 PM	140 W	SE
202237133525	18 Nov 2022, 03:32 PM	143 W	SE
202237139158	18 Nov 2022, 03:32 PM	143 W	SE
202237139358	18 Nov 2022, 03:32 PM	144 W	SE
202237140040	18 Nov 2022, 03:32 PM	147 W	SE
202237140833	18 Nov 2022, 03:32 PM	147 W	SE
202237141946	18 Nov 2022, 03:33 PM	209 W	SE
482203025242	18 Nov 2022, 03:33 PM	258 W	SE
482203034017	18 Nov 2022, 03:33 PM	158 W	SE

CONTINUE



Systems



Dashboard



Support



Menu

2022-11-19 14:58:04 PST



IQ Gateway Summary



Connected to ENVOY_059299. Don't move your device away from IQ Gateway.

Name	Installer Reference	Owner
Joshua Leary	L2511972	josh.leary21@gmail.com
Street 1		Street 2
390 Ray Byrd Road		NA
City		State
Lillington		NC
Zip/Postal Code		Country
27546		United States

IQ Gateway

Serial number	Software version	Type
202210059299	D7.3.120 (ac5b3c)	IQ Gateway Mixed
Production Meter	Consumption Meter	Rate structure
Lifetime: 24.79 kWh Status: Normal	Lifetime: 0.00 Wh (Importing) Status: Normal	NA
Connection to Enphase Cloud	Last report to Enphase Cloud	Grid Profile
Wi-Fi	18 Nov 2022, 03:34 PM	Grid Profile - IEEE 1547 default 2015 (0 1)

12 IQ Microinverters

12 IQ Microinverters IQ8+

Serial number	Last report	Power	Grid Profile
202237053080	18 Nov 2022, 03:32 PM	140 W	Set
202237125252	18 Nov 2022, 03:32 PM	140 W	Set
202237133525	18 Nov 2022, 03:32 PM	143 W	Set
202237139158	18 Nov 2022, 03:32 PM	143 W	Set
202237139558	18 Nov 2022, 03:32 PM	144 W	Set
202237140040	18 Nov 2022, 03:32 PM	147 W	Set
202237140833	18 Nov 2022, 03:32 PM	147 W	Set
202237141948	18 Nov 2022, 03:33 PM	200 W	Set
482203025242	18 Nov 2022, 03:33 PM	158 W	Set
482203034017	18 Nov 2022, 03:33 PM	158 W	Set
482203034109	18 Nov 2022, 03:33 PM	160 W	Set
482203034165	18 Nov 2022, 03:33 PM	159 W	Set

Generated by Installer Toolkit
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CONTINUE



Systems



Dashboard



Support



Menu

2022-11-19 14:58:04 PST



390 Ray Byrd Road
Joshua Leary



Connected to ENVOY_059299. Don't move your device away from IQ Gateway.

1

System Details



- ✓ Details
- ✓ Address
- ✓ Site ID: 3670278

2

Devices & Array



- ✓ IQ Gateway : 1/1
- ⊙ IQ Microinverters : 12/12
- ✓ Arrays : 1

3

Tariff & Storage Configuration



(Optional)

- ⊙ Tariff : Not Set

4

IQ Gateway Connectivity



- ✓ ENVOY_059299 is connected to Installer Toolkit

5

Device Provisioning



Device details sent to IQ Gateway

6

Validation



- ✓ Meter Configuration

7

Post Commissioning



- ✓ Summary Report



Systems



Dashboard



Support



Menu

2022-11-19 14:58:04 PST



2022-11-19 14:57:18 PST



PHOTOGRAPHIC
SOURCE

FSI
FLOOR SYSTEMS
INCORPORATED
10000 W. 10TH AVE
DENVER, CO 80231
303.751.1000

THIS ONE IS A
CITY JACKSON, MS
MAY 1978

THIS ONE IS A
CITY JACKSON, MS
MAY 1978

THIS ONE IS A
CITY JACKSON, MS
MAY 1978

TRCO
0511

2022-11-19 14:50:57 PST



2022-11-19 14:50:57 PST



2022-11-19 14:50:57 PST



2022-11-19 14:50:57 PST



END OF LINE
FOR
CABLE

TECO
TERRITIO
MILL & LUMBER
CORPORATION
10000 100th Ave
S
Burien, WA 98148
TEL: 206-835-1111
WWW.TECO.COM

2022-11-19 14:50:57 PST



2022-11-19 14:50:57 PST



2022-11-19 14:50:57 PST



2022-11-19 14:50:57 PST

 **ENPHASE.**

 **LGCY POWER**

WARNING

ELECTRIC SHOCK HAZARD
DO NOT TOUCH TERMINALS.
TERMINALS ON BOTH LINE AND
LOAD SIDES MAY BE ENERGIZED
IN THE OPEN POSITION.

CAUTION

DUAL POWER SOURCE
SECOND SOURCE IS
PHOTOVOLTAIC SYSTEM

 **WARNING**

PHOTOVOLTAIC SYSTEM
COMBINER PANEL

DO NOT ADD LOADS



PHOTOVOLTAIC SYSTEM
AC DISCONNECT
OPENING VOLTAGE **110V** 15A/15
CIRCUIT CURRENT **20** 100%

WARNING
ELECTRIC SHOCK HAZARD
DO NOT TOUCH ENERGIZED
EQUIPMENT OR CONDUITS. USE
APPROPRIATE SAFETY PRECAUTIONS
IN THE WORK AREA.

CAUTION
ELECTRIC SHOCK HAZARD
DO NOT TOUCH ENERGIZED
EQUIPMENT OR CONDUITS.

**SOLAR PV SYSTEM
EQUIPPED WITH
RAPID SHUTDOWN**



TURN RAPID SHUTDOWN SWITCH TO
THE 'OFF' POSITION TO SHUT DOWN
THE SYSTEM AND PREVENT
SHOCK HAZARD IN THE ADJACENT

EATON®

General Duty Safety Switch
Interrupteur de sécurité à usage général
Interruptor de seguridad de servicio general

30 A, 240 V~, 60 Hz

Complete ratings inside
Valeurs nominales complètes à l'intérieur
Información completa de capacidades en el interior

Further instructions inside
Autres instructions à l'intérieur
Instrucciones adicionales en el interior

Made in U.S.A. / Fabriqué aux É.-U. / Hecho en E.U.A.

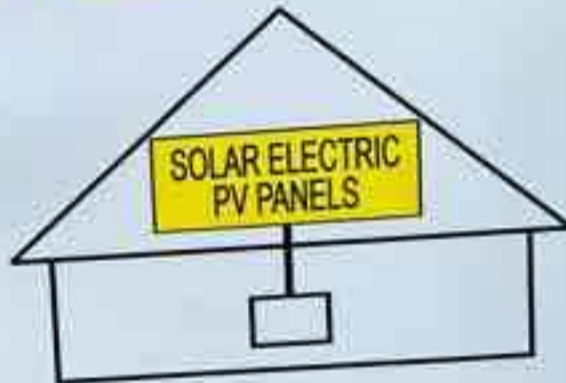
⚠ DANGER
HAZARDOUS VOLTAGE. WILL CAUSE SEVERE INJURY OR DEATH.
• Never operate switch with cover open.
• Turn OFF power ahead of switch before doing any work inside. Release all parts. Close cover before turning power ON.

⚠ TENSION DANGEREUSE. PEUT CAUSER DES BLESSURES GRAVES OU LA MORT.
• Ne jamais fonctionner l'interrupteur lorsque le couvercle est ouvert.
• Couper l'alimentation en amont de l'interrupteur avant toute intervention. Relâcher les pièces. Fermer le couvercle avant de remettre sous tension.

⚠ PELIGRO
VOLTAGE PELIGROSO. PUEDE CAUSAR HERIDAS SEVERAS O LA MUERTE.
• Nunca opere el interruptor con la cubierta abierta.
• Desconecte la alimentación del interruptor antes de cualquier trabajo del sistema. Suelte todas las partes. Cierre la cubierta antes de reiniciar el sistema.

30-4309

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN



TURN RAPID SHUTDOWN SWITCH TO THE "OFF" POSITION TO SHUT DOWN PV SYSTEM AND REDUCE SHOCK HAZARD IN THE ARRAY

WARNING

ELECTRIC SHOCK HAZARD
DO NOT TOUCH TERMINALS.
TERMINALS ON BOTH LINE AND
LOAD SIDES MAY BE ENERGIZED
IN THE OPEN POSITION.

PHOTOVOLTAIC SYSTEM
⚠ AC DISCONNECT ⚠

OPERATING VOLTAGE **240** VOLTS

OUTPUT CURRENT **70** AMPS

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

ASTOR12

WARNING: PHOTOVOLTAIC
POWER SOURCE

WARNING: PHOTOVOLTAIC
POWER SOURCE

RANGE
SERVICE
DISCONNECT

A/C

⚠ WARNING
POWER SOURCE
OUTPUT CONNECTION
DO NOT RELOCATE THIS
OVERCURRENT DEVICE

40	40
25	25
20 On/I	20 On/I

08	09	09
[Blank]		
[Blank]		

INSIDE
PANEL

HEAT



⚠ DANGER
Hazardous Voltage. Will cause death, serious injury or substantial property damage. Turn off power supplying the equipment before working inside.

⚠ PELIGRO
Voltaje peligroso. Causará la muerte, lesiones graves o la sustancial y la propiedad. Desconecte el suministro de energía a este equipo antes de trabajar en su interior.



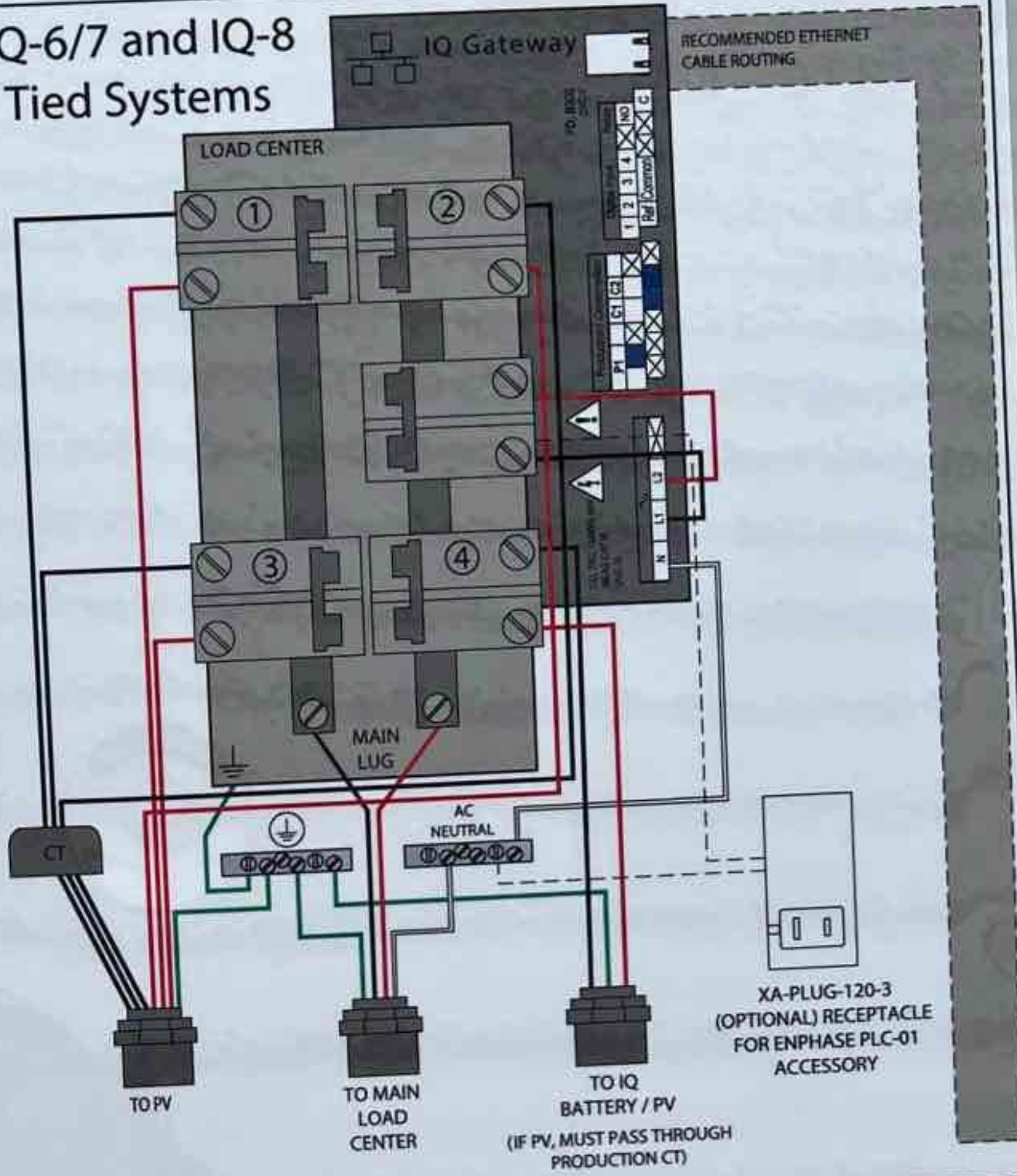
2022-11-19 14:56:07 PST

Combiner LED & buttons quick reference guide



- Enlighten communication LED**
 - Green when connected to Enphase Enlighten cloud.
 - Flashing green when connection to Enlighten or WPS is in progress.
 - Solid amber when connected to local network only (i.e., no internet).
 - Off if no network is available.
- AP mode LED**
 - Green when AP mode is enabled, and IQ Gateway Wi-Fi network is available.
 - Off when AP mode is disabled.
 - Off is default unless installer is using AP mode.
- AP mode button**
 - Only used by installer during installation or to configure the system.
 - Starts IQ Gateway's wireless Access Point (AP) to connect mobile phone directly.
- Power production LED**
 - Green light when all microinverters are producing power.
 - Flashing green when an upgrade of the microinverters is in progress.
 - Amber if one or more microinverters stop producing power.
 - Flashing amber when microinverters are not yet detected.
 - Off if all the microinverters stop producing or communicating.
 - Usually amber at dawn/dusk, off at night & flashing amber after IQ Gateway restarts.
- Device communication LED**
 - Flashing green when IQ Gateway is scanning for microinverters.
 - Green when all provisioned microinverters are communicating with IQ Gateway.
 - Amber if one or more microinverters are not communicating with IQ Gateway.
 - Off if all microinverters are not communicating with IQ Gateway.
 - Usually amber during dawn/dusk and off at night.
- Device scan button**
 - Only used by installer during installation or to configure the system.
 - Starts/stops a 15-minute scan for devices over the power line.
- All LEDs**
 - Flashing green when software upgrade is in progress.
 - Flashing amber when IQ Gateway is booting up.

For IQ-6/7 and IQ-8 Grid Tied Systems



IQ Combiner 4
Photovoltaic
Combiner Box
X-IQ-AM1-240-4



Electrical ratings
Voltage 240VAC, 60Hz
DG Breakers 80A MAX (combined)
DG Inputs 64A MAX (combined)
Output 65A MAX, 90A MAX feeder OCPD
Temperature 46°C MAX ambient
For DG breaker, use only Eaton BR series.

202210059299

P/N:

S/N: 202210059299

883-00356 11 6750

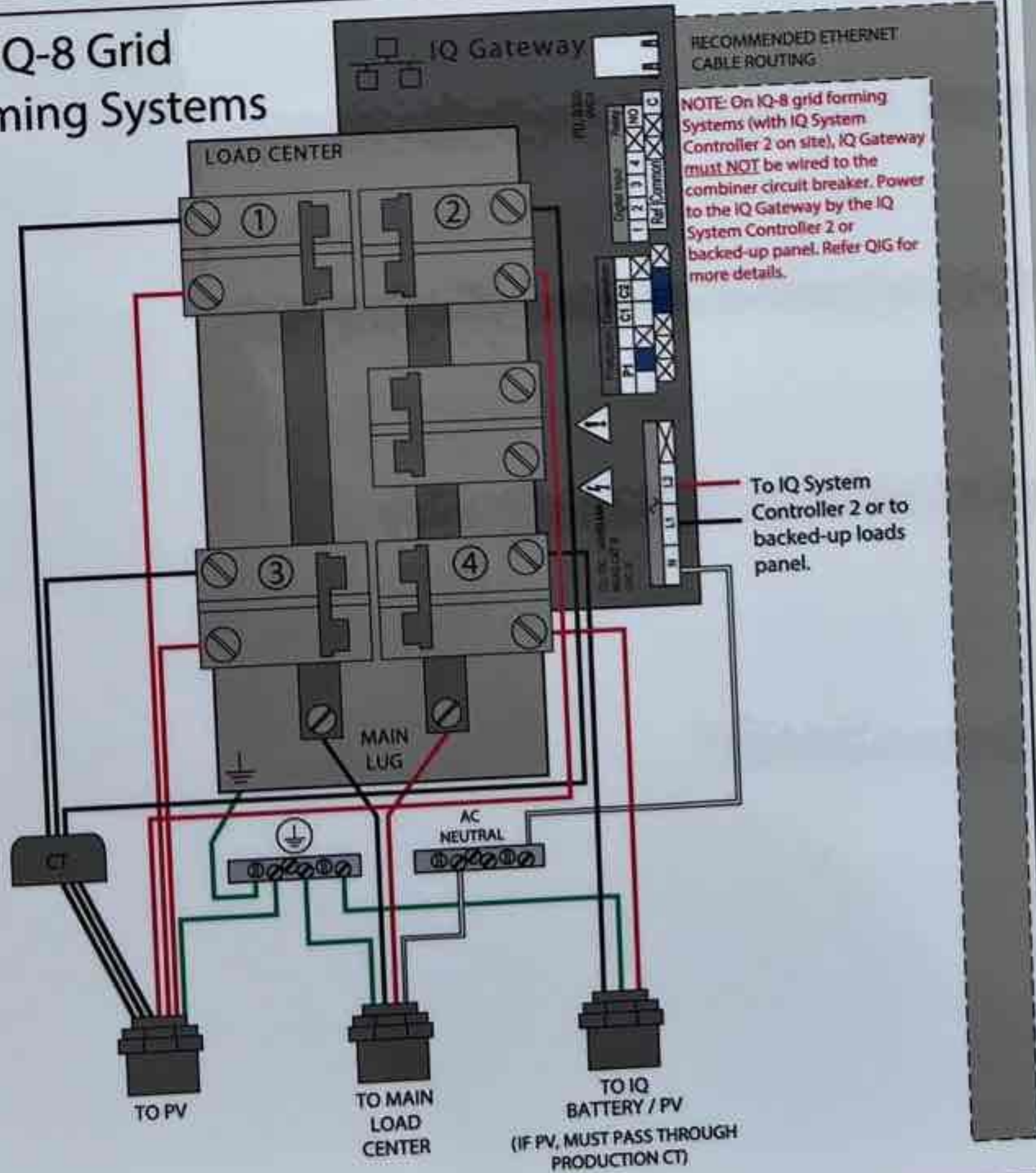
Dedicated solar and DG Combiner Box - do not add loads
10 AMP or 15 AMP IQ Gateway Breaker not used for backfeed

Connection	Wire sizes	Torque
DG Breaker (1, 2, 3, 4)	14-10 AWG 8 AWG 6-4 AWG	2.2 Nm (20 lb-in) 2.8 Nm (25 lb-in) 3.0 Nm (27 lb-in)
60A Circuit Breaker only	4-1/0 AWG	5.0 Nm (45 lb-in)
IQ Gateway Breaker	14-10 AWG	2.26 Nm (20 lb-in)
Neutral and ground		
Large screw	14-1/0 AWG 6-14 AWG	5.0 Nm (45 lb-in) 2.2 Nm (20 lb-in)
Small screw	10-4 AWG	5.0 Nm (45 lb-in)
Main lug	3-2/0 AWG	5.6 Nm (50 lb-in)

Copper conductors only, rated min. 75°C.
Follow NFPA 70 (NEC), or CSA C22.1 part 1, and all local codes.
For DG Breakers larger than 20A, use wire insulated for 90°C based on 75°C ampacities.

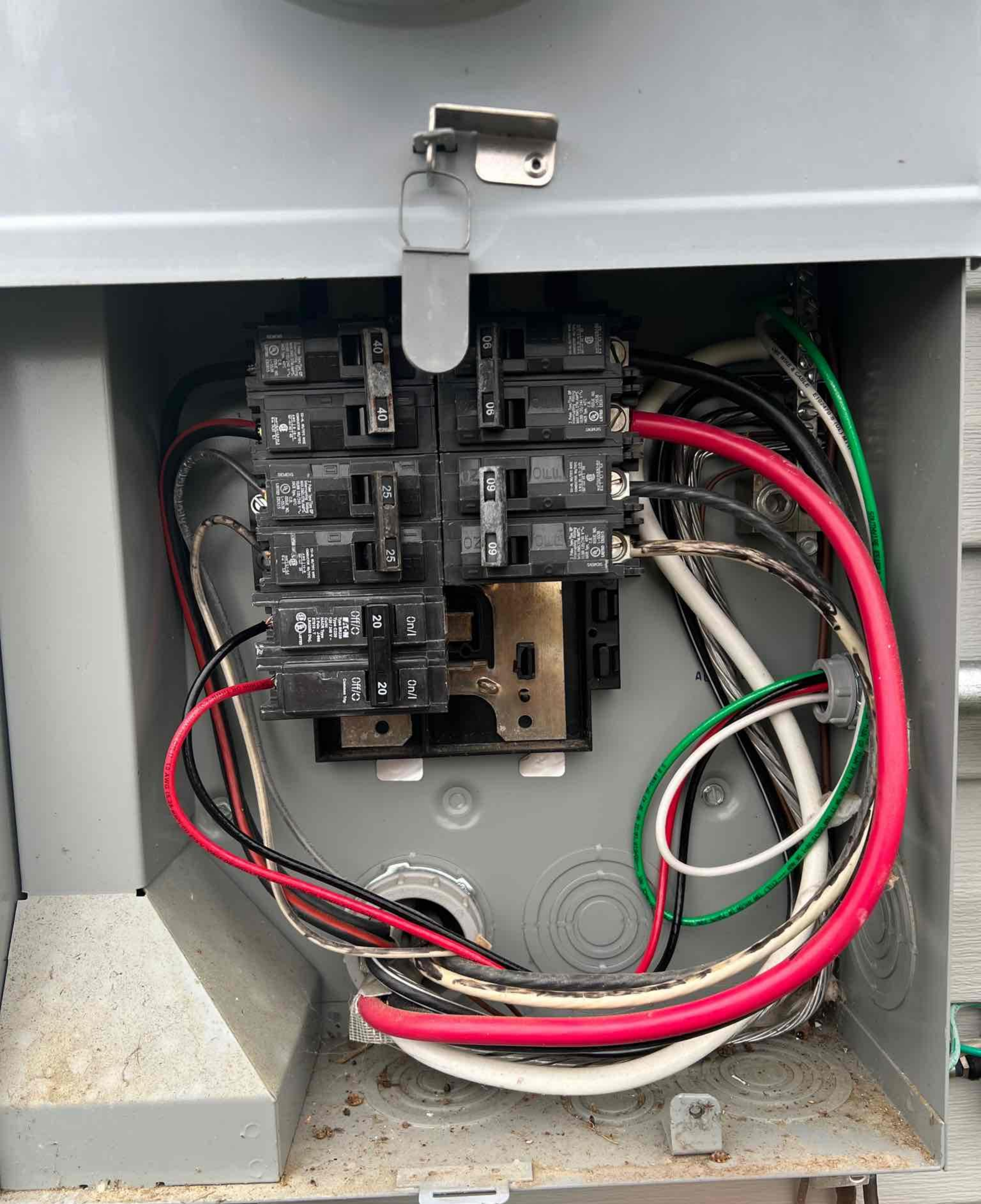
Designed in California and New Zealand
Made in Mexico

For IQ-8 Grid Forming Systems

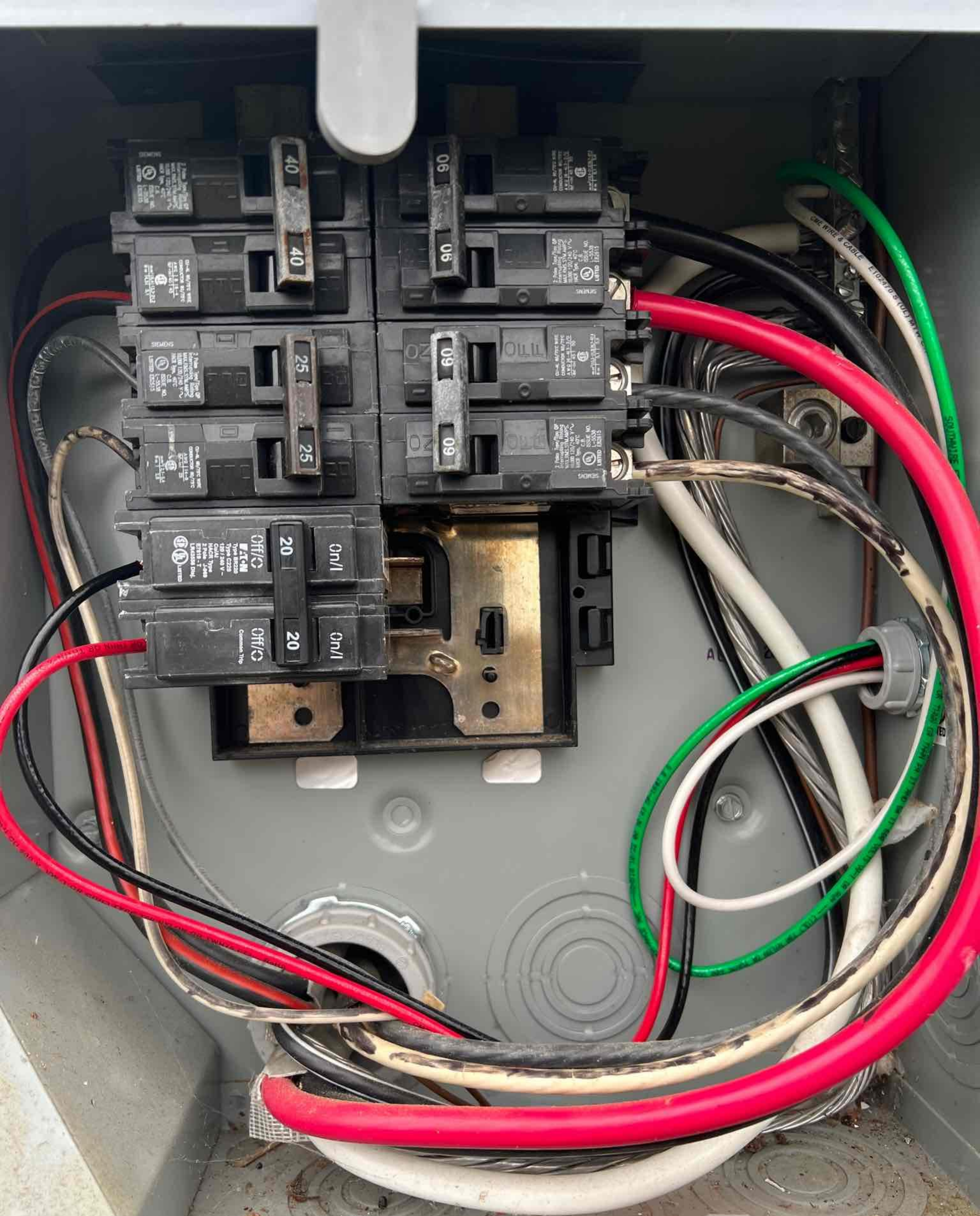




2022-11-19 15:26:57 PST



2022-11-19 14:54:48 PST



2022-11-19 14:54:48 PST



PHOTOVOLTAIC SYSTEM
AC DISCONNECT
OPERATING VOLTAGE **240** VOLTS
OUTPUT CURRENT **20** AMPS

WARNING
ELECTRIC SHOCK HAZARD
DO NOT TOUCH TERMINALS
TERMINALS ON OFFLINE AND
LONG SPIES MAY BE ENERGIZED
IN THE OPEN POSITION

CAUTION
BLANK POWER SOURCE
SECOND SOURCE IS
PHOTOVOLTAIC SYSTEM

**SOLAR PV SYSTEM
EQUIPPED WITH
RAPID SHUTDOWN**



TURN RAPID SHUTDOWN SWITCH TO
THE "OFF" POSITION TO SHUT DOWN
PV SYSTEM AND REDUCE
SHOCK HAZARD IN THE AREA

2022-11-19 14:55:00 PST

RANGE
SERVICE
DISCONNECT

A/C
SERVICE
DISCONNECT

⚠ WARNING
POWER SOURCE
OUTPUT CONNECTION
DO NOT RELOCATE THIS
OVERCURRENT DEVICE

40	40	06	06
25	25	09	09
20	On/I		
20	On/I		

INSIDE
SERVICE
DISCONNECT
PANEL

HEAT
SERVICE
DISCONNECT

⚠ DANGER
Hazardous Voltage.
Will cause death, serious
injury or substantial
property damage.
Turn off power supplying this
equipment before working inside.

⚠ PELIGRO
Voltaje peligroso. Causará la
muerte, lesiones graves o da-
substantial a la propiedad.
Desconecte el suministro de
energía a este equipo antes de
trabajar en su interior.

2022-11-19 14:55:00 PST



Y72577-405B



UMT-R-F



81975363



FOCUS kWh

TYPE ALF FORM 2S CL200 240V 3W 60 Hz TA=30 Kh 7.2

SOUTH RIVER EMC

TWACS 81975363



108 190 898



-1011 Landis+Gyr PATENT PENDING



Model Type: DNA-120-MF10-440W

Horizontal Maximum Voltage
 Horizontal Maximum Current
 Open Circuit Current
 Short Circuit Current
 Maximum Operating Voltage
 Maximum System Voltage
 Maximum System Power Rating
 Maximum System Power Rating
 Maximum System Power Rating

(Initial)	41.15V
(Peak)	13.75A
(RMS)	23.77V
(RMS)	13.05A
(RMS)	328W
(RMS)	20A

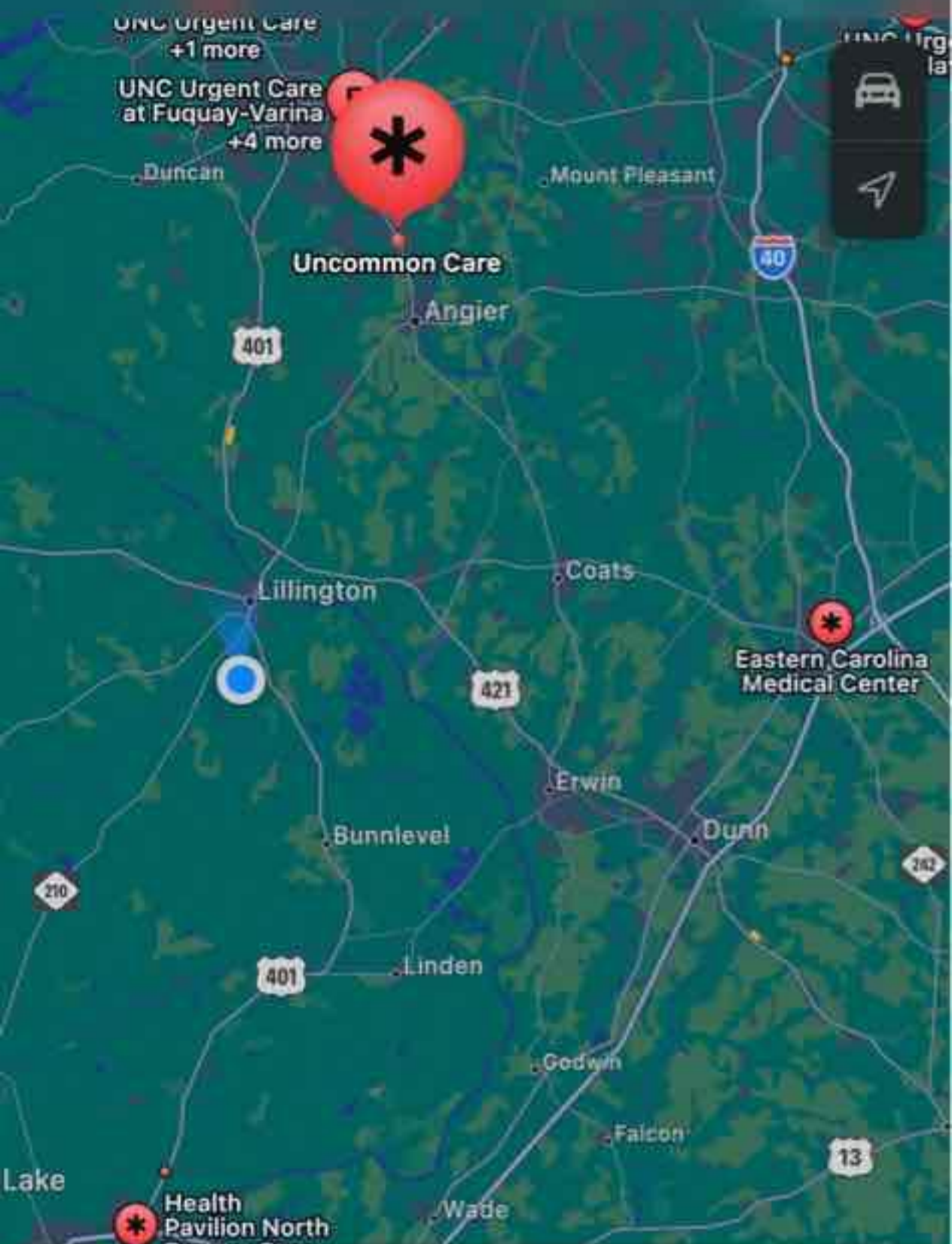
WARNING - ELECTRIC HAZARD
 This unit contains high voltage components. Do not touch or attempt to repair the unit. Refer to the instruction manual for more information.

PLEASE READ THE INSTRUCTION MANUAL FOR MORE INFORMATION

CE, RoHS, WEEE, and other regulatory symbols.

9:18

LTE



Uncommon Care

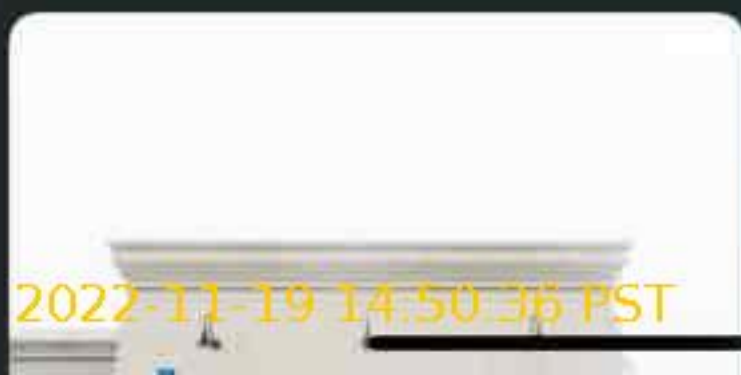
Urgent Care Clinic · [Angier, North Carolina](#)

 26 minutes

HOURS
Open

RATE


DISTANCE
 13 mi



2022-11-19 14:50:36 PST



2022-11-19 14:53:11 PST



IQ Gateway Connectivity

Connected to ENVOY_059299. Don't move your device away from IQ Gateway.

Start Provisioning Devices

IQ Gateway 202210059299



IQ Gateway successfully connected to Enphase Cloud and Installer Toolkit

IQ Gateway Connectivity Status

-  **Wi-Fi** Connected 
192.168.2.7
-  **Ethernet**
-  **Cellular**



Software up-to-date

Current software version 07.03.120

START PROVISIONING DEVICES



Systems



Dashboard



Support



Menu

2022-11-19 14:58:21 PST



IQ Gateway Summary



Connected to ENVOY_059299, Don't move your device away from IQ Gateway.

IQ Gateway Communications Gateway Report

18 Nov 2022, 03:36 PM

System

Name	Installer Reference	Owner
Joshua Leary	LIS11972	josh.leary21@gmail.com
Street 1		Street 2
390 Ray Byrd Road		NA
City		State
Lillington		NC
Zip/Postal Code		Country
27546		United States

IQ Gateway

Serial number	Software version	Type
20221009299	07.3.120 (ac7b3c)	IQ Gateway Metered
Production Meter	Consumption Meter	Rate structure
Lifetime: 24.79 kWh Status: Normal	Lifetime: 0.01 Wh (importing) Status: Normal	NA
Connection to Enphase Cloud	Last report to Enphase Cloud	Grid Profile
Wi-Fi	18 Nov 2022, 03:34 PM	Grid Profile : IEEE-1547 default 2018.1.0.11

12 IQ Microinverters

12 IQ Microinverters IQ8+

Serial number	Last report	Power	Grid Profile
202237053080	18 Nov 2022, 03:32 PM	140 W	SE
202237125252	18 Nov 2022, 03:32 PM	140 W	SE
202237133525	18 Nov 2022, 03:32 PM	143 W	SE
202237139158	18 Nov 2022, 03:32 PM	143 W	SE
202237139358	18 Nov 2022, 03:32 PM	144 W	SE
202237140040	18 Nov 2022, 03:32 PM	147 W	SE
202237140833	18 Nov 2022, 03:32 PM	147 W	SE
202237141946	18 Nov 2022, 03:33 PM	209 W	SE
482203025242	18 Nov 2022, 03:33 PM	258 W	SE
482203034017	18 Nov 2022, 03:33 PM	158 W	SE

CONTINUE



Systems



Dashboard



Support



Menu

2022-11-19 14:58:41 PST



IQ Gateway Summary



Connected to ENVOY_059299. Don't move your device away from IQ Gateway.

Name	Installer Reference	Owner
Joshua Leary	L2511972	josh.leary21@gmail.com
Street 1		Street 2
390 Ray Byrd Road		NA
City		State
Lillington		NC
Zip/Postal Code		Country
27546		United States

IQ Gateway

Serial number	Software version	Type
202210059299	D7.3.120 (ac5b3c)	IQ Gateway Mixed

Production Meter	Consumption Meter	Rate structure
Lifetime: 24.79 kWh Status: Normal	Lifetime: 0.00 Wh (Importing) Status: Normal	NA

Connection to Enphase Cloud	Last report to Enphase Cloud	Grid Profile
Wi-Fi	18 Nov 2022, 03:34 PM	Grid Profile - IEEE 1547 default 2015 (0 1)

12 IQ Microinverters

12 IQ Microinverters IQ8+

Serial number	Last report	Power	Grid Profile
202237053080	18 Nov 2022, 03:32 PM	140 W	Set
202237125252	18 Nov 2022, 03:32 PM	140 W	Set
202237133525	18 Nov 2022, 03:32 PM	143 W	Set
202237139158	18 Nov 2022, 03:32 PM	143 W	Set
202237139558	18 Nov 2022, 03:32 PM	144 W	Set
202237140040	18 Nov 2022, 03:32 PM	147 W	Set
202237140833	18 Nov 2022, 03:32 PM	147 W	Set
202237141948	18 Nov 2022, 03:33 PM	200 W	Set
482203025242	18 Nov 2022, 03:33 PM	158 W	Set
482203034017	18 Nov 2022, 03:33 PM	158 W	Set
482203034109	18 Nov 2022, 03:33 PM	160 W	Set
482203034165	18 Nov 2022, 03:33 PM	159 W	Set

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CONTINUE



Systems



Dashboard



Support



Menu

2022-11-19 14:58:41 PST

← Devices & Array

Connected to ENVOY_059299. Don't move your device away from IQ Gateway.

Note: The PV production values are typically updated every ~5 mins.

IQ Gateway >

202210059299

IQ Microinverters & Array >

- ✓ Scanned : 12/12
- ✓ Detected : 12/12
- ✓ Communicating : 12/12
- ✓ Array created : 1
- ✓ Array assigned : 1
- ✓ Producing power : 12/12
- ✓ Profile set : 12/12 (IEEE 1547 default 2015:1.0.11)

ADD DEVICE



Systems



Dashboard



Support

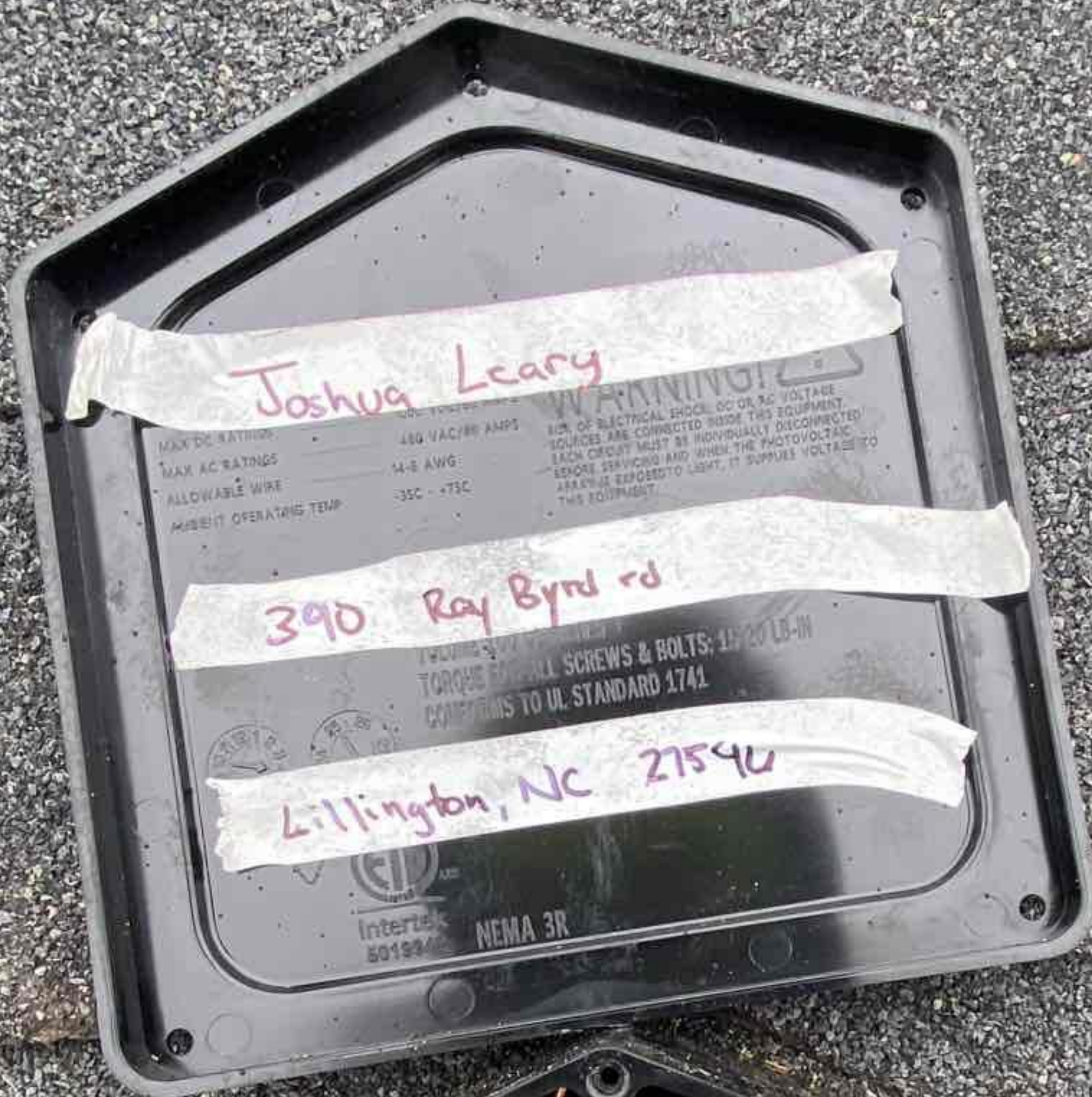


Menu

2022-11-19 14:58:41 PST



2022-11-19 14:57:27 PST

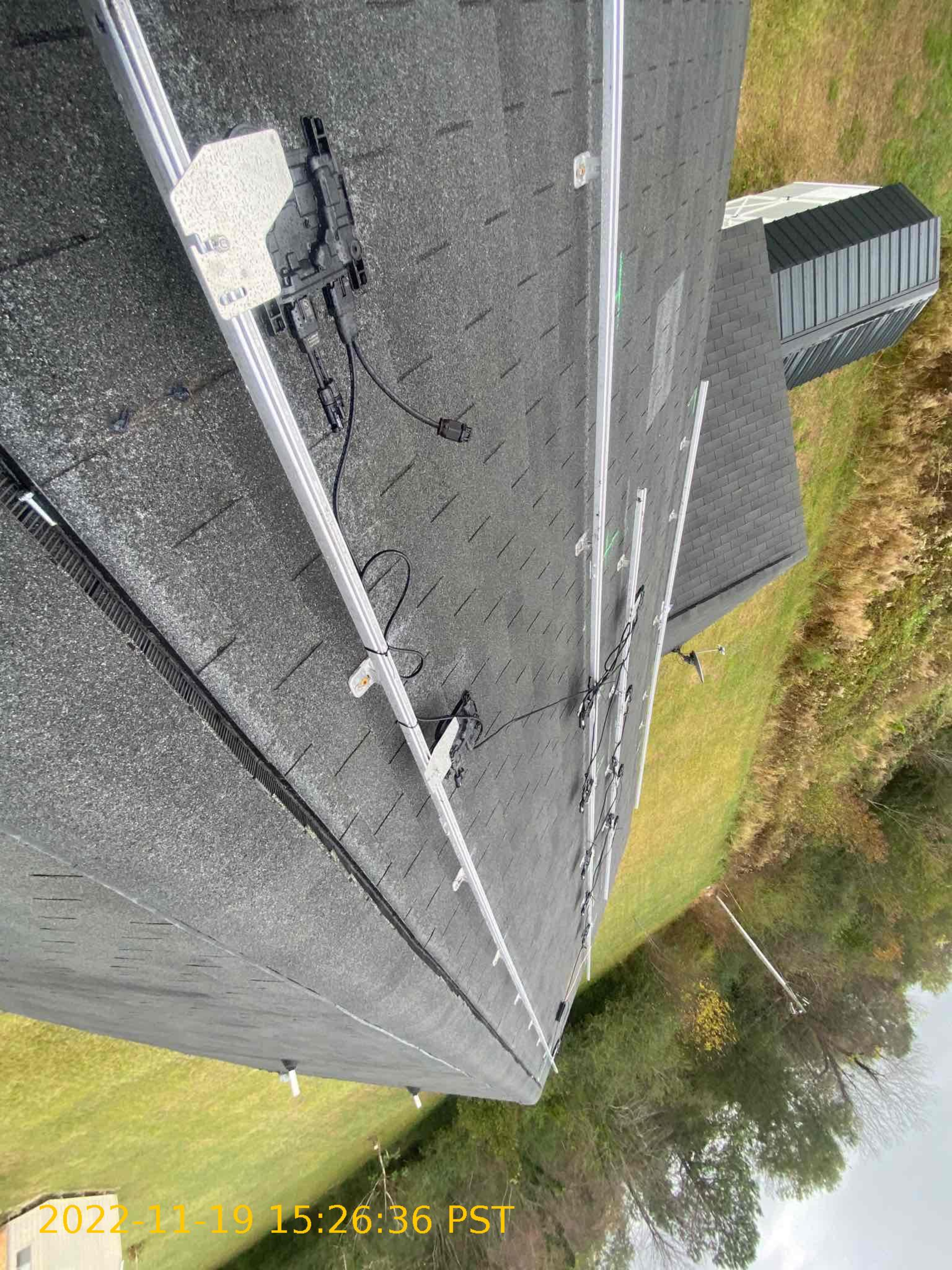




2022-11-19 15:26:36 PST



2022-11-19 15:26:36 PST



2022-11-19 15:26:36 PST



2022-11-19 15:25:29 PST



2022-11-19 15:25:29 PST



2022-11-19 15:28:14 PST



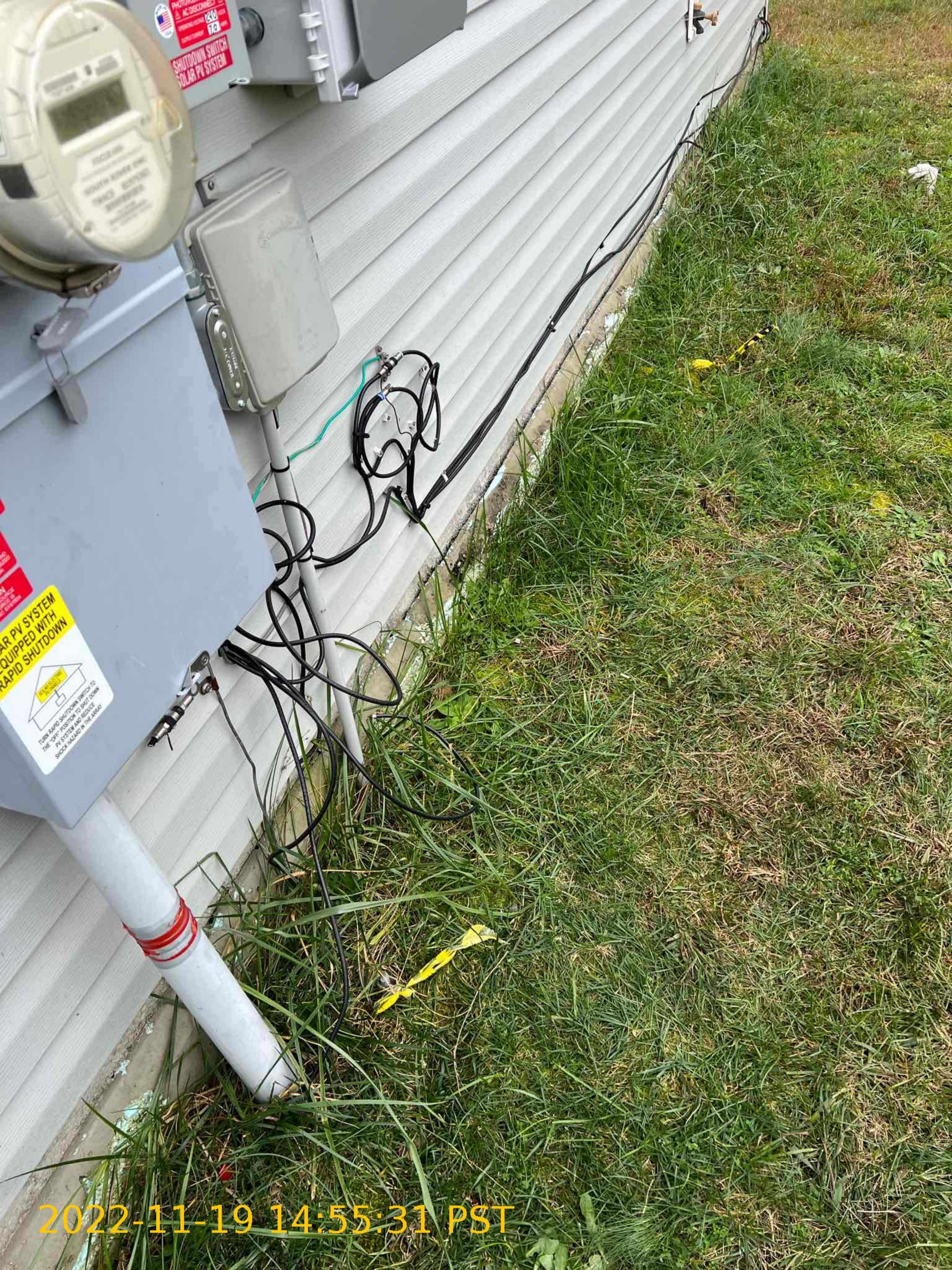
2022-11-19 15:25:04 PST



2022-11-19 14:55:31 PST



2022-11-19 14:55:31 PST



PHOTOGRAPHED BY: [unreadable]
DATE: 11/19/22
TIME: 14:55:31 PST
SHUTDOWN SWITCH
SOLAR PV SYSTEM

SOLAR PV SYSTEM
EQUIPPED WITH
RAPID SHUTDOWN



TURN RAPID SHUTDOWN SWITCH TO
THE "OFF" POSITION TO SHUT DOWN
PV SYSTEM AND REDUCE
SHOCK HAZARD IN THE AREA.

2022-11-19 14:55:31 PST

482203034017 885-01325
20223140833 883-01325
20223105080 883-01325
20223128262 883-01325
20223140040 883-01325
482203034109 885-01325
482203034105 885-01325

20223133529 883-01325
20223139159 883-01325
20223141948 883-01325
20223139559 883-01325

Joshua Leary 11/15/22
390 Ray Byrd RD
Lillington NC 27546

482203034017 885-01325
202237140833 883-01325
202237053080 883-01325
202237125252 883-01325
202237140040 883-01325
482203034165 885-01325
482203034109 885-01325
482203025242 885-01325

202237139558 883-01325
202237141948 883-01325
202237139158 883-01325
202237133525 883-01325

Joshua Leary
390 Ray Byrd RD
Cillington NC 27546

11/15/22



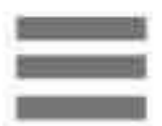
Select Array

1

...034017	...140833	...053080	...125252	...140040	...034165	...034109	...02
...139558	...141948	...139158	...133525				



Layout saved.



PHOTOVOLTAIC
ENERGY SOURCE

FHS
Certified Fiberglass
96 INCHES
SPACE EDGES
SQUARE EDGES
SELF SPANNING
PROFILED EDGES

THIS SIDE DOWN
ESTE LADO ABAJO

MILL 229
WAYNE HILL VA

TECO
TESTED



G: PHOTOVOICE
WER SOURCE

2022-11-19 14:51:38 PST



WARNING: PHOTO
POWER SOURCE

2022-11-19 14:51:38 PST



2022-11-19 14:51:39 PST



PHOTOVOLTAIC
CABLE
SOLAR SOURCE

ESTE LADO ADOSADO
MILL 223
CRYSTAL HILL VA

TECO
TESTED

PS 2-10
HID-UL-1400
EXPOSURE 1

SHEATHING SPAN
7/16 Perf. Cat
24/16

STRENGTH IN THIS DIRECTION
THIS DIRECTION

2022-11-19 14:51:39 PST



PHOTOVOLTAIC
CABLE SOURCE

EXPOSED
SHEATHING
7/16 Perf.
24/16
STRENGTH IN THIS DIRECTION
THICKNESS 1/2 IN.

EA
SUBER

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WARNING
POWER

2022-11-19 14:51:39 PST



WARNING: PHOTO
POWER SOURCE

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G: PHOTOVOICE
WER SOURCE

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NO. 1 KD-19
HT
SYD
655
LAFSTONE

WARNING: PHOTO SOURCE

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PHOTOVOLTAIC
CABLE SOURCE

EXPOSED
SHEATHING
7/16 Perf.
24/16
STRENGTH IN THIS DIRECTION
THICKNESS 1/2 IN.

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PHOTOVOLTAIC
CABLE
SOURCE

ESTE LADO
MILL 223
CRYSTAL HILL, VA
TECO
TESTED
PS 2-10
HID-U-V-ACC
EXPOSURE 1
SHEATHING SPAN
7/16 Perf. Cat
24/16
STRENGTH IN THIS DIRECTION

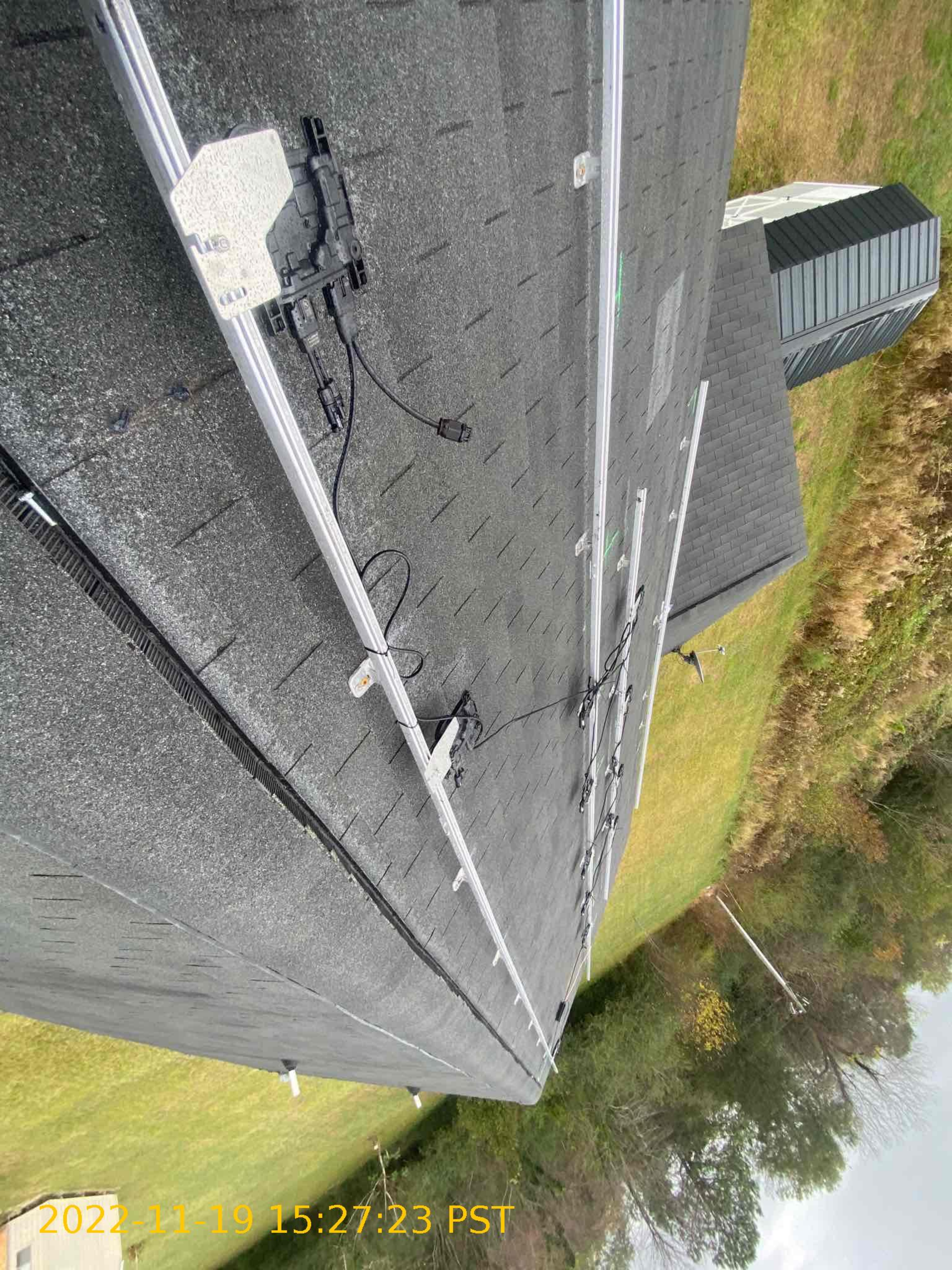
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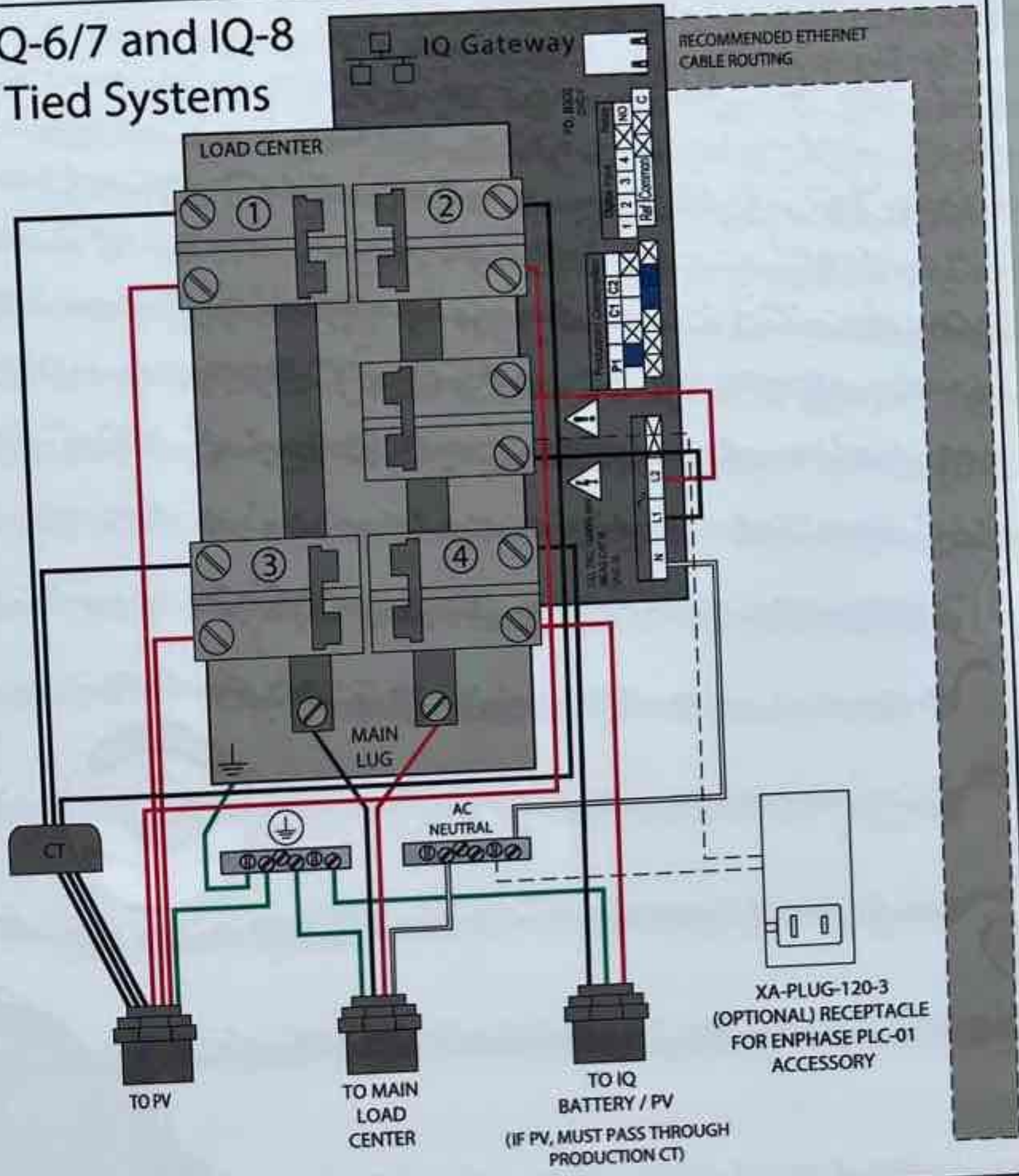
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Combiner LED & buttons quick reference guide



- Enlighten communication LED**
 - Green when connected to Enphase Enlighten cloud.
 - Flashing green when connection to Enlighten or WPS is in progress.
 - Solid amber when connected to local network only (i.e., no internet).
 - Off if no network is available.
- AP mode LED**
 - Green when AP mode is enabled, and IQ Gateway Wi-Fi network is available.
 - Off when AP mode is disabled.
 - Off is default unless installer is using AP mode.
- AP mode button**
 - Only used by installer during installation or to configure the system.
 - Starts IQ Gateway's wireless Access Point (AP) to connect mobile phone directly.
- Power production LED**
 - Green light when all microinverters are producing power.
 - Flashing green when an upgrade of the microinverters is in progress.
 - Amber if one or more microinverters stop producing power.
 - Flashing amber when microinverters are not yet detected.
 - Off if all the microinverters stop producing or communicating.
 - Usually amber at dawn/dusk, off at night & flashing amber after IQ Gateway restarts.
- Device communication LED**
 - Flashing green when IQ Gateway is scanning for microinverters.
 - Green when all provisioned microinverters are communicating with IQ Gateway.
 - Amber if one or more microinverters are not communicating with IQ Gateway.
 - Off if all microinverters are not communicating with IQ Gateway.
 - Usually amber during dawn/dusk and off at night.
- Device scan button**
 - Only used by installer during installation or to configure the system.
 - Starts/stops a 15-minute scan for devices over the power line.
- All LEDs**
 - Flashing green when software upgrade is in progress.
 - Flashing amber when IQ Gateway is booting up.

For IQ-6/7 and IQ-8 Grid Tied Systems



IQ Combiner 4
Photovoltaic
Combiner Box
X-IQ-AM1-240-4



Electrical ratings
Voltage 240VAC, 60Hz
DG Breakers 80A MAX (combined)
DG Inputs 64A MAX (combined)
Output 65A MAX, 90A MAX feeder OCPD
Temperature 46°C MAX ambient
For DG breaker, use only Eaton BR series.

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S/N: 202210059299 883-00356 11 6750

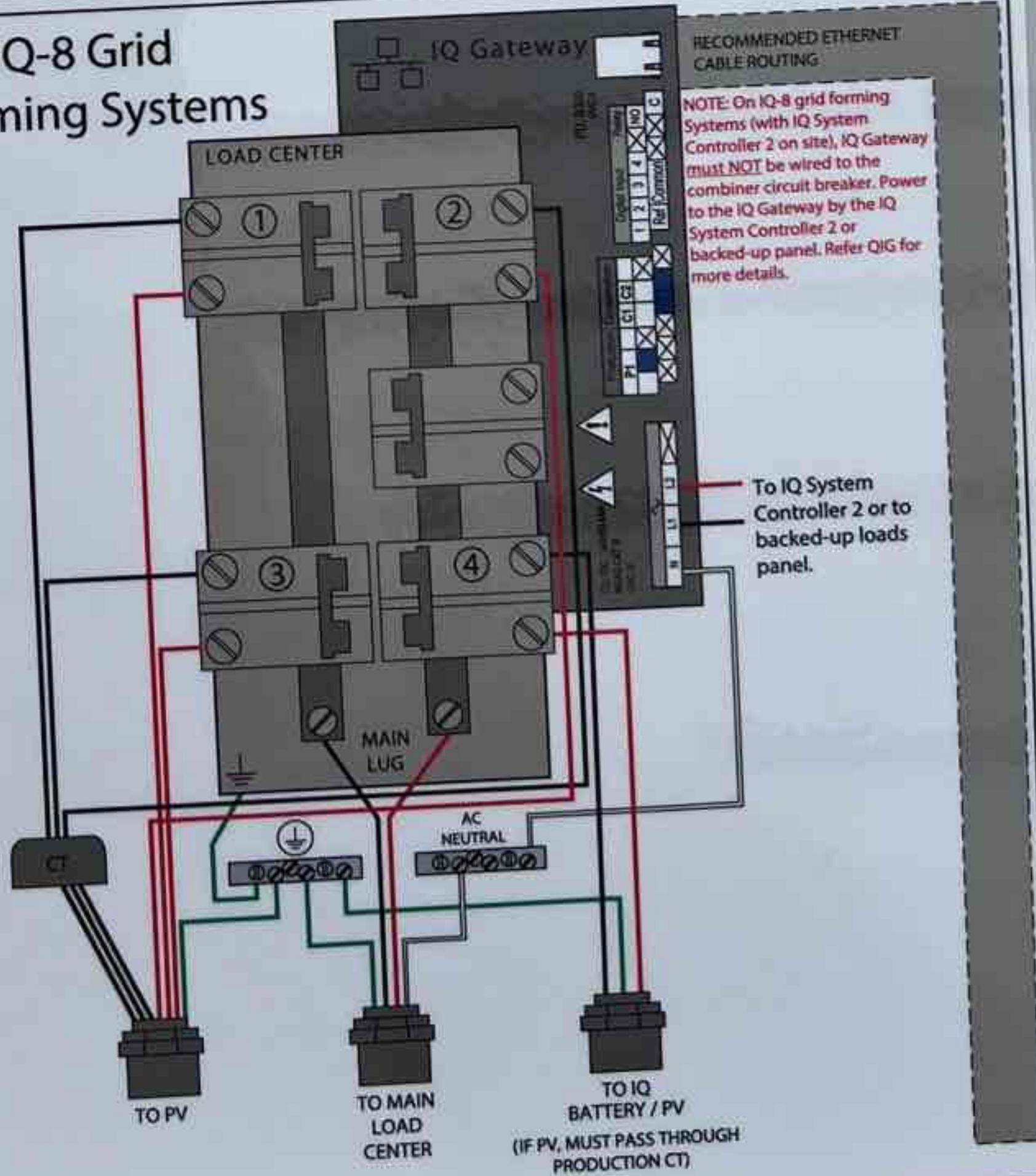
Dedicated solar and DG Combiner Box - do not add loads
10 AMP or 15 AMP IQ Gateway Breaker not used for backfeed

Connection	Wire sizes	Torque
DG Breaker (1, 2, 3, 4)	14-10 AWG 8 AWG 6-4 AWG	2.2 Nm (20 lb-in) 2.8 Nm (25 lb-in) 3.0 Nm (27 lb-in)
60A Circuit Breaker only	4-1/0 AWG	5.0 Nm (45 lb-in)
IQ Gateway Breaker	14-10 AWG	2.26 Nm (20 lb-in)
Neutral and ground		
Large screw	14-1/0 AWG 6-14 AWG	5.0 Nm (45 lb-in) 2.2 Nm (20 lb-in)
Small screw	10-4 AWG	5.0 Nm (45 lb-in)
Main lug	3-2/0 AWG	5.6 Nm (50 lb-in)

Copper conductors only, rated min. 75°C.
Follow NFPA 70 (NEC), or CSA C22.1 part 1, and all local codes.
For DG Breakers larger than 20A, use wire insulated for 90°C based on 75°C ampacities.

Designed in California and New Zealand
Made in Mexico

For IQ-8 Grid Forming Systems





IQ Combiner 4

Photovoltaic
Combiner Box
X-IQ-AM1-240-4



Electrical ratings

Voltage 240VAC, 60Hz
 DG Breakers 80A MAX (combined)
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P/N:

S/N: **202210059299**

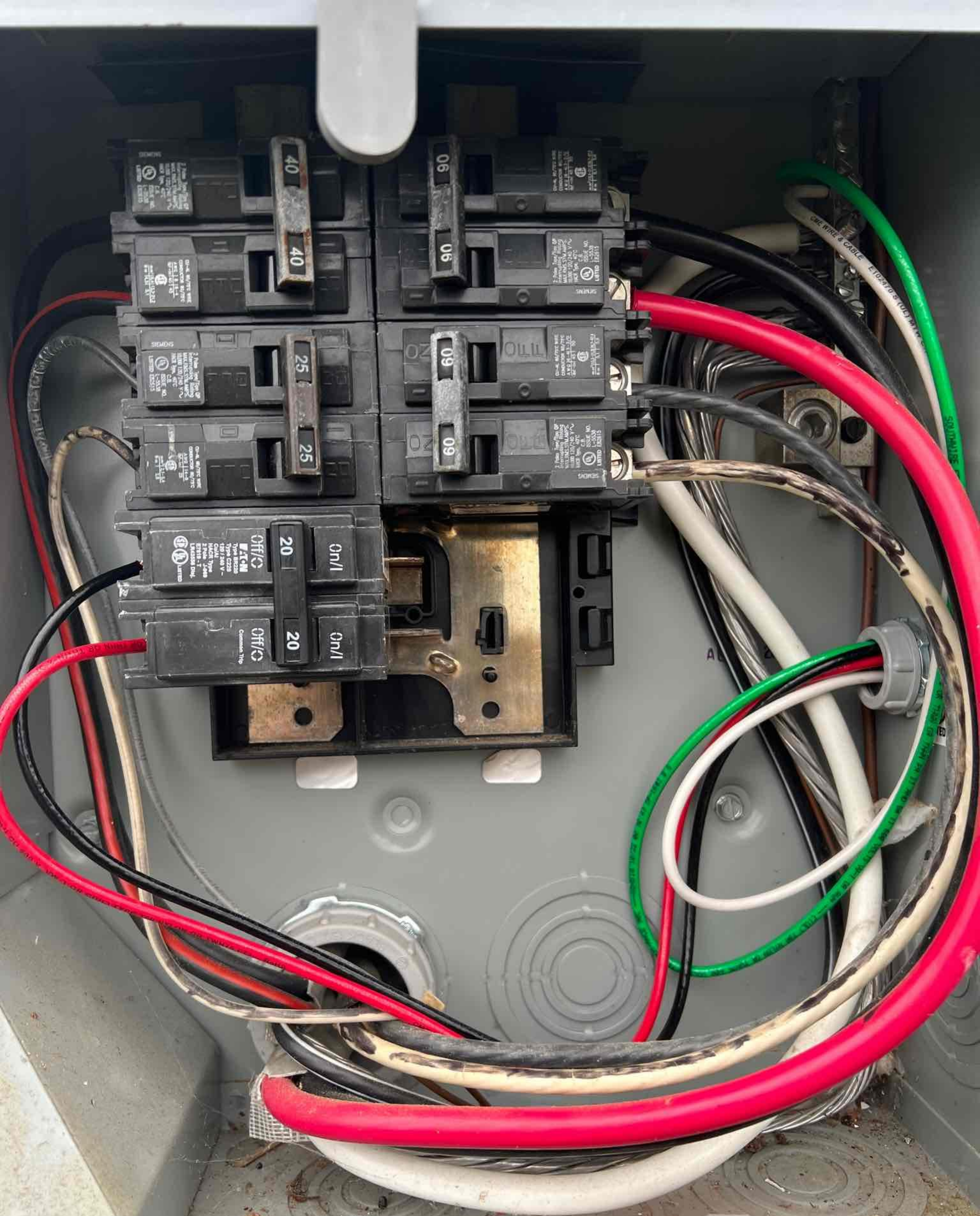
883-00356 11 6750

Dedicated solar and DG Combiner Box - do not add loads
 10 AMP or 15 AMP IQ Gateway Breaker not used for backfeed

Connection	Wire sizes	Torque
DG Breaker (1, 2, 3, 4)	14-10 AWG	2.2 Nm (20 lb-in)
	8 AWG	2.8 Nm (25 lb-in)
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IQ Gateway Breaker	14-10 AWG	2.26 Nm (20 lb-in)
Neutral and ground		
Large screw Small screw	14-1/0 AWG	5.0 Nm (45 lb-in)
	6-14 AWG	2.2 Nm (20 lb-in)
Main lug	10-4 AWG	5.0 Nm (45 lb-in)
	3-2/0 AWG	5.6 Nm (50 lb-in)

Copper conductors only, rated min. 75°C.
 NEC 70 (NEC) or CSA C22.1 part 1, and all local codes.

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2022-11-19 15:34:13 PST



2022-11-19 15:34:13 PST



2022-11-19 15:35:14 PST



2022-11-19 15:35:14 PST



2022-11-19 15:23:21 PST

Joshua
Leary
390
Ray
Byrd RD
Billington
NC
27546
11/15/22



WARNING: PY
POWER

WARNING: PHOTOVOLTAIC
POWER SOURCE

WARNING: PHOTOVOLTAIC
POWER SOURCE



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