





205

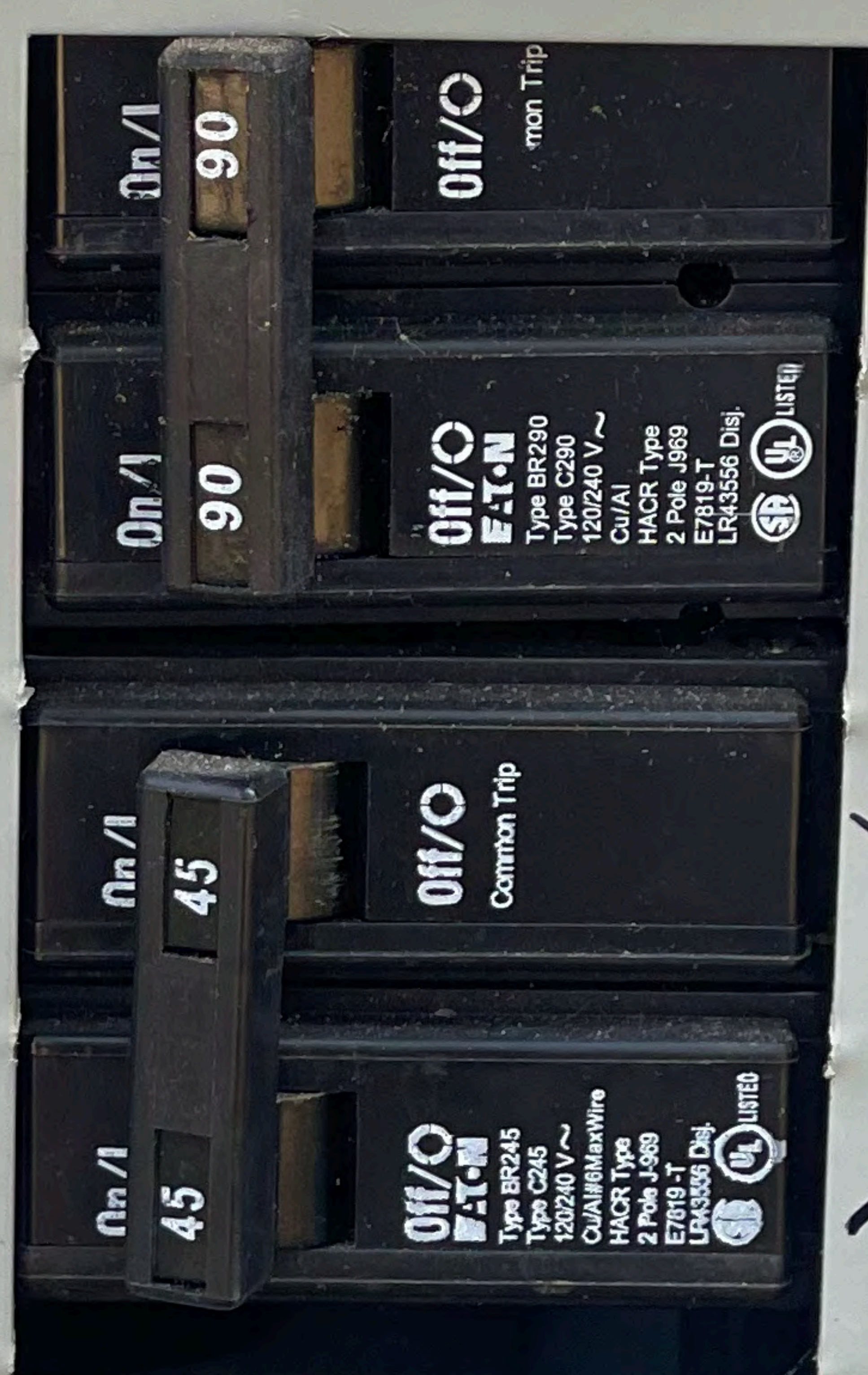


7/19



HEAT

RANGE



Sub Panel

A/C

EATON

Cutler-Hammer

CATALOG NO.
MB1212L200BTS

SERIES A RINGLESS
SIN ARRILLO DE RETENCIÓN
200 AMPS MAX.
(SEE MAIN CIRCUIT BREAKER RATING)
MÁX. 200 AMPS
(VER CAPACIDAD DISYUNTOR PRINCIPAL)

120/240 VAC 1 PHASE-3W
V-120/240, 60 HZ MONOFÁSICA-3 HILOS
208Y/120 VAC 1 PHASE-3W

(FROM 3 PHASE TO-4W NETWORK)
V-208Y/120, 60 HZ MONOFÁSICA-3 HILOS
(DE RED TRIFÁSICA A 4 HILOS)

TYPE 3R ENCLOSURE - RAINPROOF
GABINETE TIPO 3R - PARA EXTERIORES

METER SOCKET RATED 200 AMPS CONTINUOUS
MÓDULOS DE MEDICIÓN: 200 A EN RÉGIMEN PERMANENTE.

SHORT CIRCUIT RATING:
10,000 AMPS (RMS SYM AMPS, 240 VAC MAX.)
CAPACIDAD DE CORTOCIRCUITO:
10,000 A (A SIM. EFECTIVOS, MÁX. V-240)

THE SHORT CIRCUIT RATING IS LIMITED TO
THE LOWEST INTERRUPTING CAPACITY OF ANY
DEVICE INSTALLED.
LA CAPACIDAD NOMINAL DE CORTOCIRCUITO SE
LIMITA A LA MÁS BAJA CAPACIDAD DE
INTERRUCCIÓN DE CUALQUIER ARTEFACTO INSTALADO.

ADDITIONAL OR REPLACEMENT BREAKERS SHALL
BE OF THE SAME MANUFACTURER AND TYPE AND
OR GREATER THAN THE INTERRUPTING RATING
OF ANY CIRCUIT BREAKER INSTALLED.
LOS DISYUNTORES ADICIONALES O DE REPUESTO
DEBERÁN SER DE LA MISMA MARCA Y TIPO Y
TENER UNA CAPACIDAD DE INTERRUPCIÓN IGUAL
O SUPERIOR A LA DE CUALQUIER DISYUNTOR
INSTALADO.

WATTHOUR METER NOT INCLUDED IN SHORT
CIRCUIT RATING.
EL VATIOHORÍMETRO NO ESTÁ INCLUIDO EN LA
CAPACIDAD DE CORTOCIRCUITO.

BREAKER HANDLE IN MID-POSITION INDICATES
BREAKER IS TRIPPED. TO RESTORE SERVICE
MOVE HANDLE TO EXTREME OFF, THEN TO ON.
LA PALANCA DEL DISYUNTOR EN LA POSICIÓN
MEDIA, INDICA QUE EL DISYUNTOR SE HA
DISPARADO. PARA RESTABLECER EL SERVICIO, MOVER
LA PALANCA AL EXTREMO <<OFF>>, LUEGO A <<ON>>.

USE CUTLER-HAMMER CIRCUIT BREAKERS
TYPES BR, BRAF, BRWH, BRSN, BJ
OR TYPES GFCB, GFCBH, GFEP GROUND
FAULT CIRCUIT INTERRUPTERS.
UTILICE INTERRUPTORES CUTLER-HAMMER TIPO
BR, BRAF, BRWH, BRSN O, BJ
INTERRUPTORES DE FALLA A TIERRA TIPO GFCB, GFCBH O GFEP.

INSTALLATION AND USE OF THIS EQUIPMENT
SHOULD BE IN ACCORDANCE WITH ALL APPLIC-
ABLE LOCAL AND NATIONAL CODES.
LA INSTALACIÓN Y EL USO DE ESTE EQUIPO
DEBERÁN AJUSTARSE A TODOS LOS CÓDIGOS
LOCALES Y NACIONALES APLICABLES.

TO CLOSE UNUSED OPENINGS IN COVER
USE CUTLER-HAMMER CAT. NO. BRFP.
PARA CUBRIR LAS ABERTURAS NO EMPLEADAS EN LA CUBIERTA,
UTILIZAR EL NÚM. DE CAT. BRFP DE CUTLER-HAMMER.

SUITABLE FOR UNDERGROUND OR OVERHEAD
SERVICE ENTRY.
APTO PARA ENTRADAS DE SERVICIO SUBTERRÁNEAS O AÉREAS.

BREAKER TERMINALS SUITABLE FOR AL-CU
WIRE WHEN SO MARKED. REFER TO MARKINGS
ON BREAKERS.
LOS BORNES DEL DISYUNTOR SON APTOS
PARA CABLE CUAL CUANDO ESTÁ ASÍ INDICADO.
VER LAS MARCAS ESTAMPADAS EN LOS DISYUNTORES.

IF HORN BY-PASS IS REQUIRED, ORDER CAT NO. MBHBPKIT.
SI SE REQUIERE UN DISYUNTOR DE CUERNO APAGAARROS,
ENCARGAR EL NÚM. DE CAT. MBHBPKIT

USE CUTLER-HAMMER SUBFEED LUG KIT BRSF125,
BRSF150 OR BRSF225
USE LOS JUEGOS DE TERMINALES PARA ALIMENTADORES
SECUNDARIOS BRSF125, BRSF150 O BRSF225

SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT.
INSTALL NO MORE THAN SIX SERVICE DISCONNECTING MEANS.
APTO ÚNICAMENTE PARA USARSE COMO EQUIPO DE SERVICIO.
INSTALE NO MÁS DE SEIS MEDIOS DE DESCONEXIÓN DEL SERVICIO.

IF 5TH JAW IS REQUIRED, ORDER CAT NO. MBSJAWKIT.

SE REQUIERE UNA 5ª MORDAZA ENCARGAR EL NÚM. DE CAT. MBSJAWKIT.

TORQUE WIRE PRESSURE SCREW(S) AS FOLLOWS:
AJUSTAR EL O LOS TORNILLOS DE SUECIÓN DEL CABLE CON
EL SIGUIENTES PAR DE FUERZAS:

WIRE SIZE AWG/KCMIL 60/75	○	⊗	⊠
CABLE CALIBRE AWG/KCMIL 60/75	LB-IN (N-M)	LB-IN (N-M)	LB-IN (N-M)
#14-10	35 (4.0)		
#8	40 (4.5)		
#6-4	45 (5.1)		
#3-2/0	50 (5.6)		
#6-350		275 (31.1)	275 (31.1)

TORQUE CIRCUIT BREAKER LUGS TO THE VALUES
SPECIFIED ON CIRCUIT BREAKERS.
AJUSTAR LOS BORNES DEL DISYUNTOR CON UN PAR DE FUERZAS
SEGÚN LOS VALORES ESPECIFICADOS SOBRE LOS DISYUNTORES.

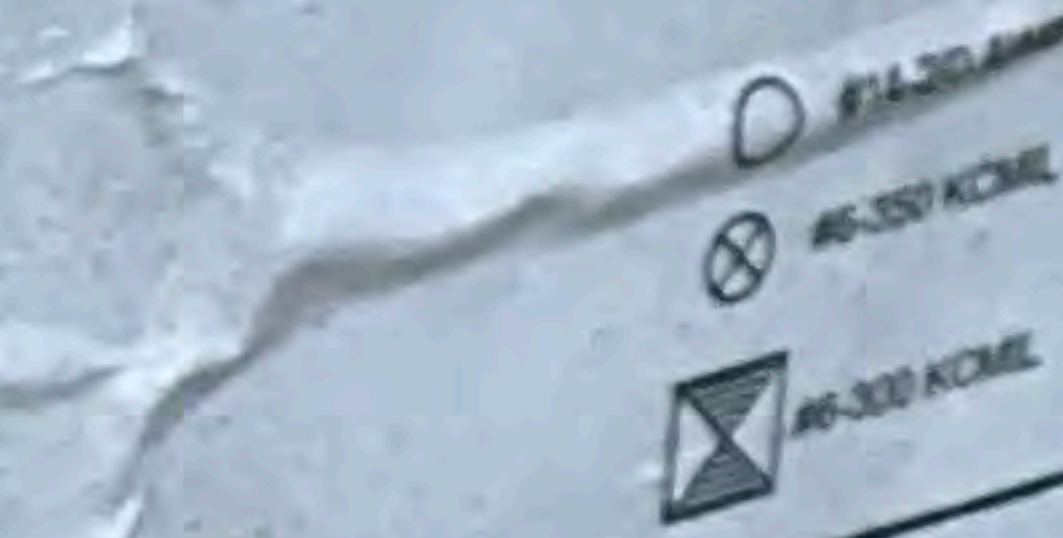
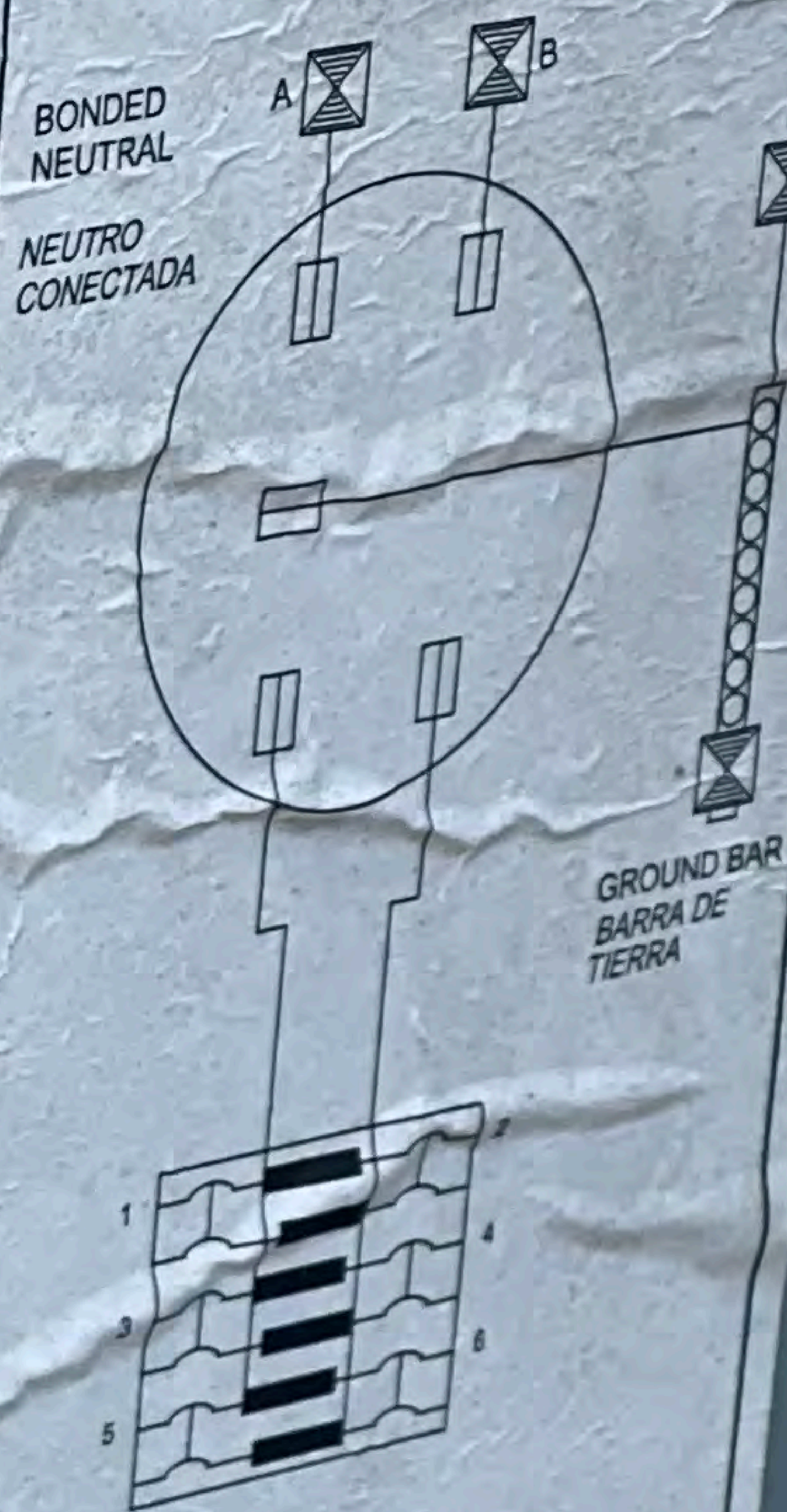
FOR RAINPROOF FITTINGS REFER TO
TABLE BELOW:
PARA LOS ACCESORIOS A PRUEBA DE LLUVIA, VER LA
TABLA SIGUIENTE:

FITTING ACCESORIOS	CATALOG NO. NÚM. DE CATÁLOGO
3/4" HUB	DS075H1*
1" HUB	DS100H1*
1-1/4" HUB	DS125H1*
1-1/2" HUB	DS150H1*
2" HUB	DS200H1*
2" HUB	DS200H2
2-1/2" HUB	DS250H2
3" HUB	DS300H2

*REQUIRES ADAPTER PLATE DS300AP
*REQUIERE UNA PLACA ADAPTADORA DS300AP

INSTALLED BY: _____
DATE: _____
INSTALADO POR: _____
FECHA: _____

TYPICAL WIRING DIAGRAM
DIAGRAMA DE CABLEADO TÍPICO



E-52977
MADE IN USA
FABRICADO EN E.U.A.

PUB49575

REV. G

CENTRON®



000227F91C

FCC ID SK9AM17

IC 864G-AM17

MODEL AM17

LEVEL 2

CL200 240V 3W TYPE C2M 30TA 1.0Kh

ZZZ 886198 H67

CA 0.5
FM2S
60HZ



DUKE ENERGY PROGRESS

325 518 290

F120529

OpenWay
by Itron

7/19

DUKE ENERGY
149278







UL
CERTIFIED
SAFETY AB-2A
E486080

+

-

+DC-

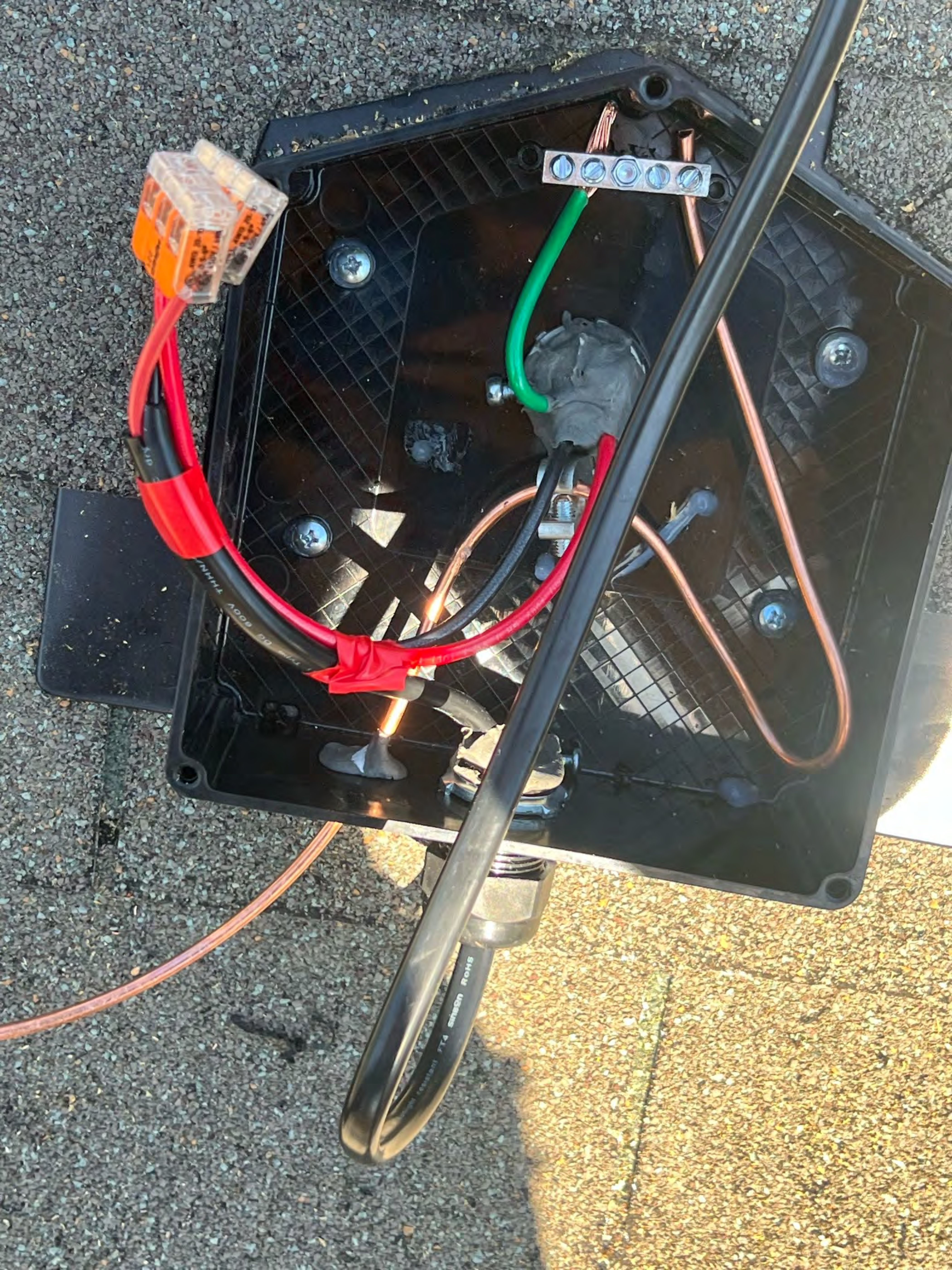
840-00985-12
100VDC 20A
+79 C22222

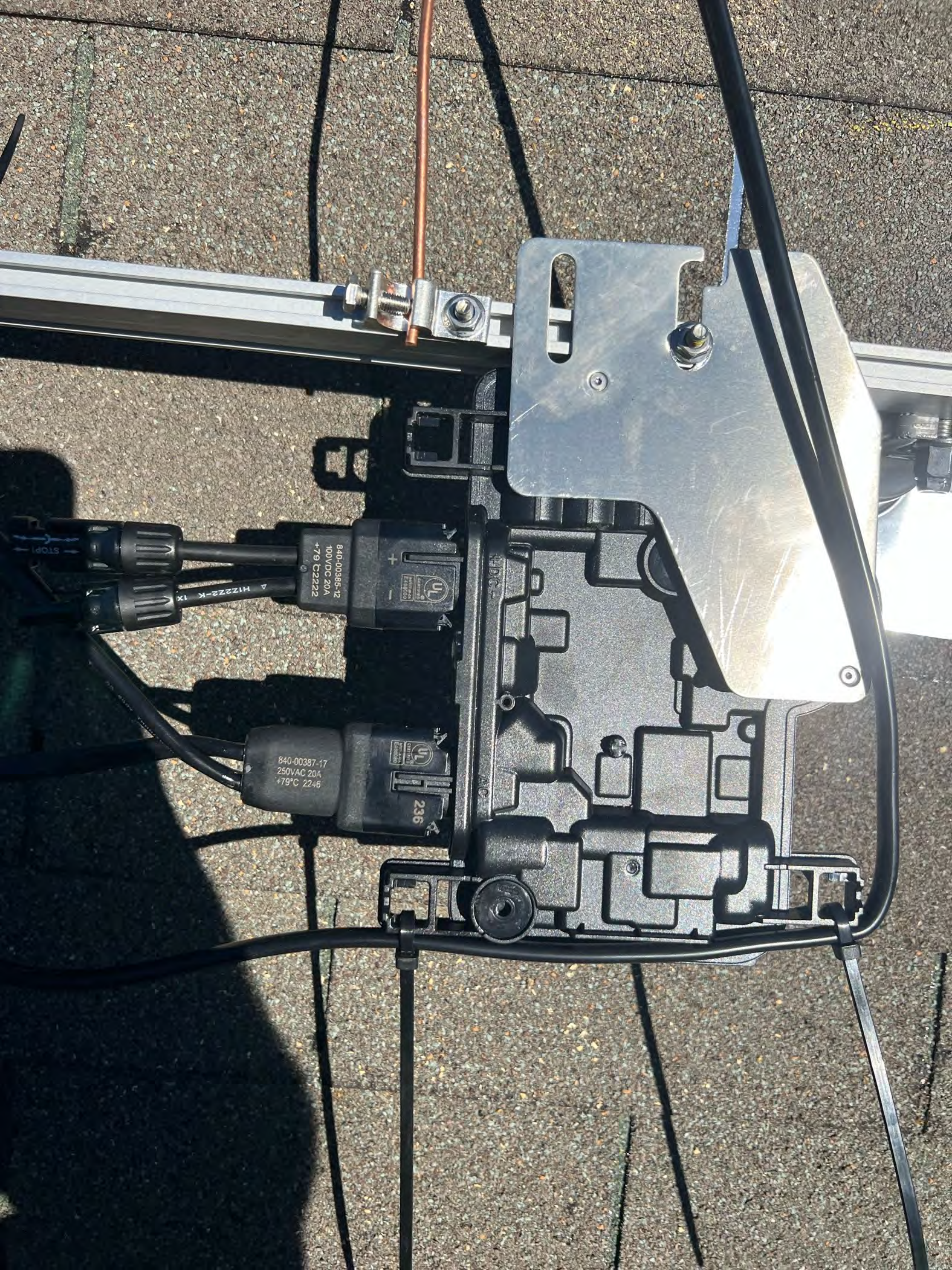
M12228-K-11











840-00386-12
100VDC 20A
+79 C22222

H1Z222-K 1X

840-00387-17
250VAC 20A
+79°C 22.6

236



EATON®

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

60 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.

	<p>⚠ DANGER</p> <p>HAZARDOUS VOLTAGE. WILL CAUSE SEVERE INJURY OR DEATH.</p> <ul style="list-style-type: none">● Never operate switch with cover open.● Turn OFF power ahead of switch before doing any work inside. Replace all parts. Close cover before turning power ON.
	<p>TENSION DANGEREUSE. PEUT CAUSER DES BLESSURES GRAVES OU LA MORT.</p> <ul style="list-style-type: none">● Ne jamais manœuvrer l'interrupteur lorsque le couvercle est ouvert.● Couper l'alimentation en amont de l'interrupteur avant toute intervention. Remplacer les pièces. Fermer le couvercle avant de remettre sous tension.
	<p>⚠ PELIGRO</p> <p>VOLTAJE PELIGROSO. PUEDE CAUSAR HERIDAS SEVERAS O LA MUERTE.</p> <ul style="list-style-type: none">● Nunca opere el interruptor con la cubierta abierta.● Desconectar la alimentación del interruptor antes de trabajar dentro del mismo. Reemplazar todas las partes. Cerrar la cubierta antes de energizar el interruptor.

30-43080



pvlabeis.com

RAPID SHU
SWITCH
SOLAR PV

 **W**

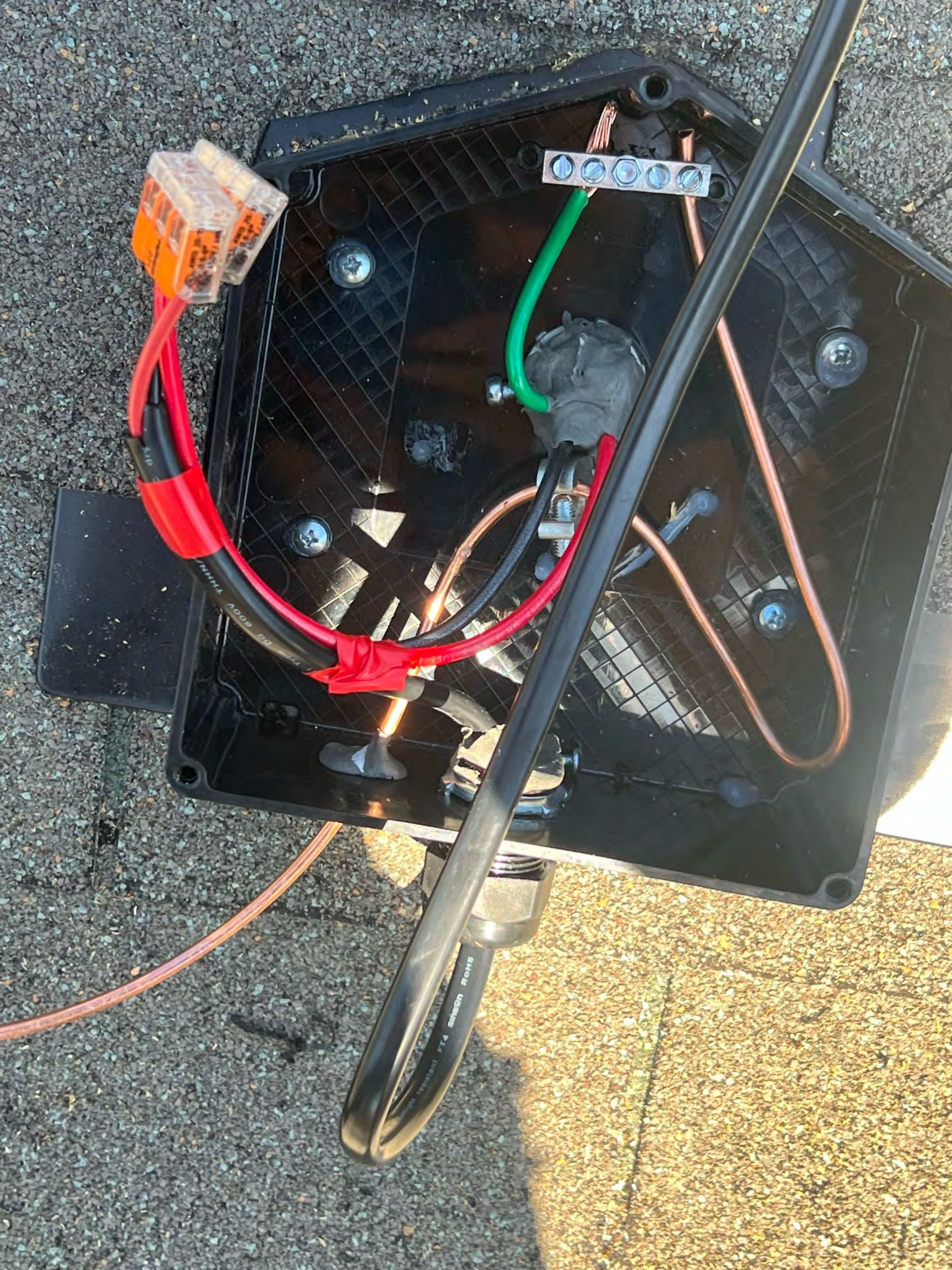
ELECTRIC

TERMINAL

LOAD SIDES

IN THE

pvlabeis.com



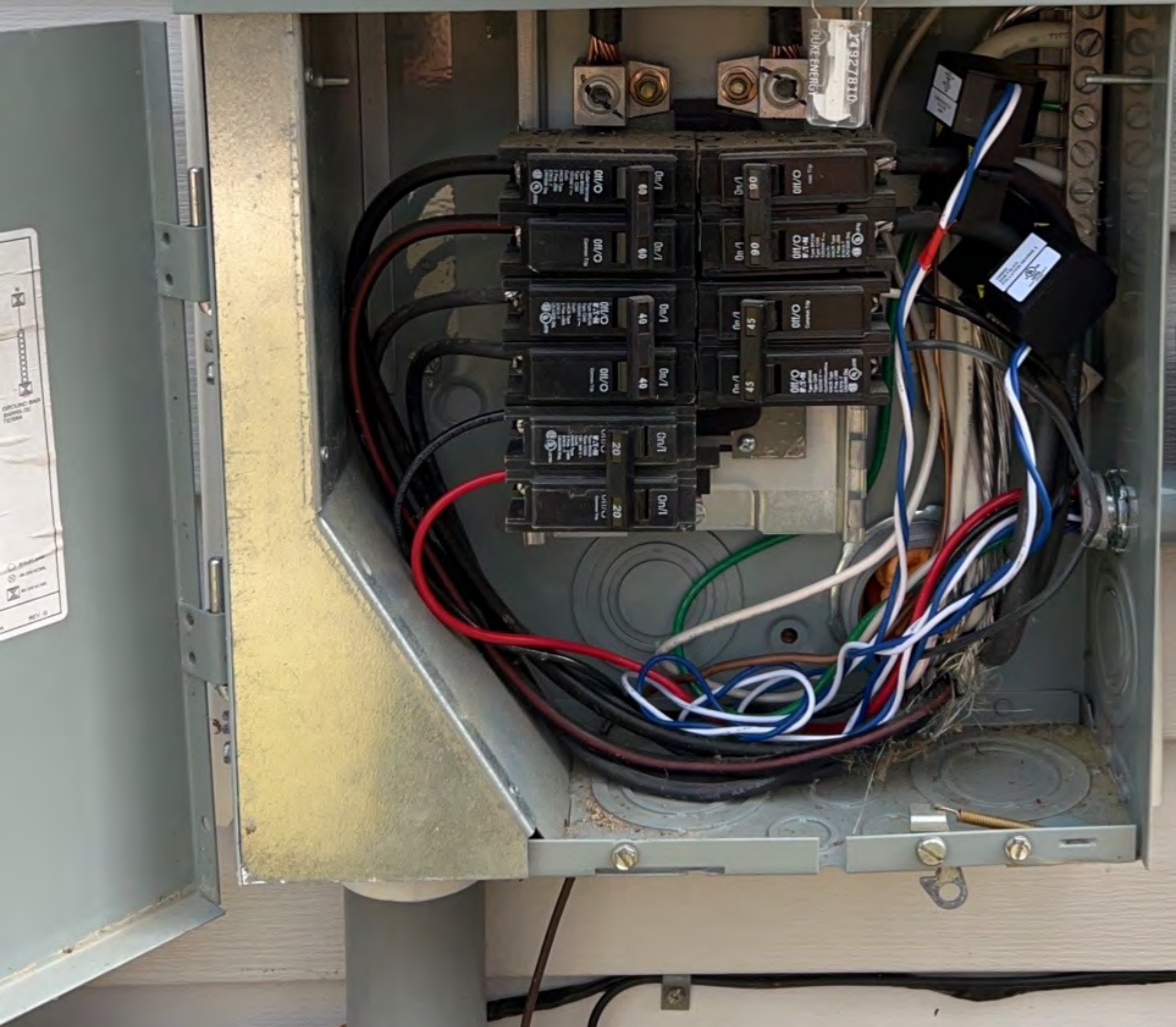








PV SYSTEM kWh METER



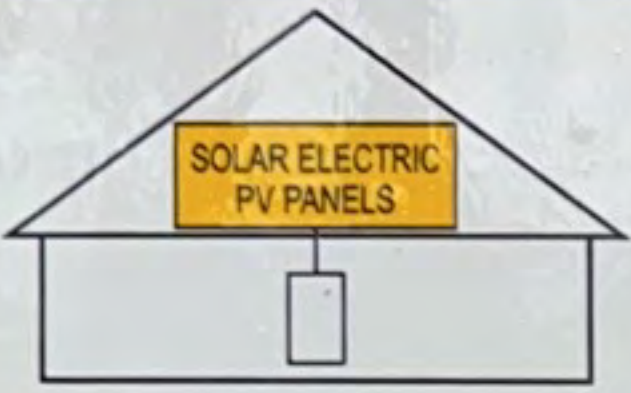
WARNING: OPENING THIS COVER EXPOSES LIVE ELECTRICAL PARTS. DO NOT TOUCH. SEE INSTRUCTIONS FOR SAFETY INFORMATION.







**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

 **ENPHASE.**

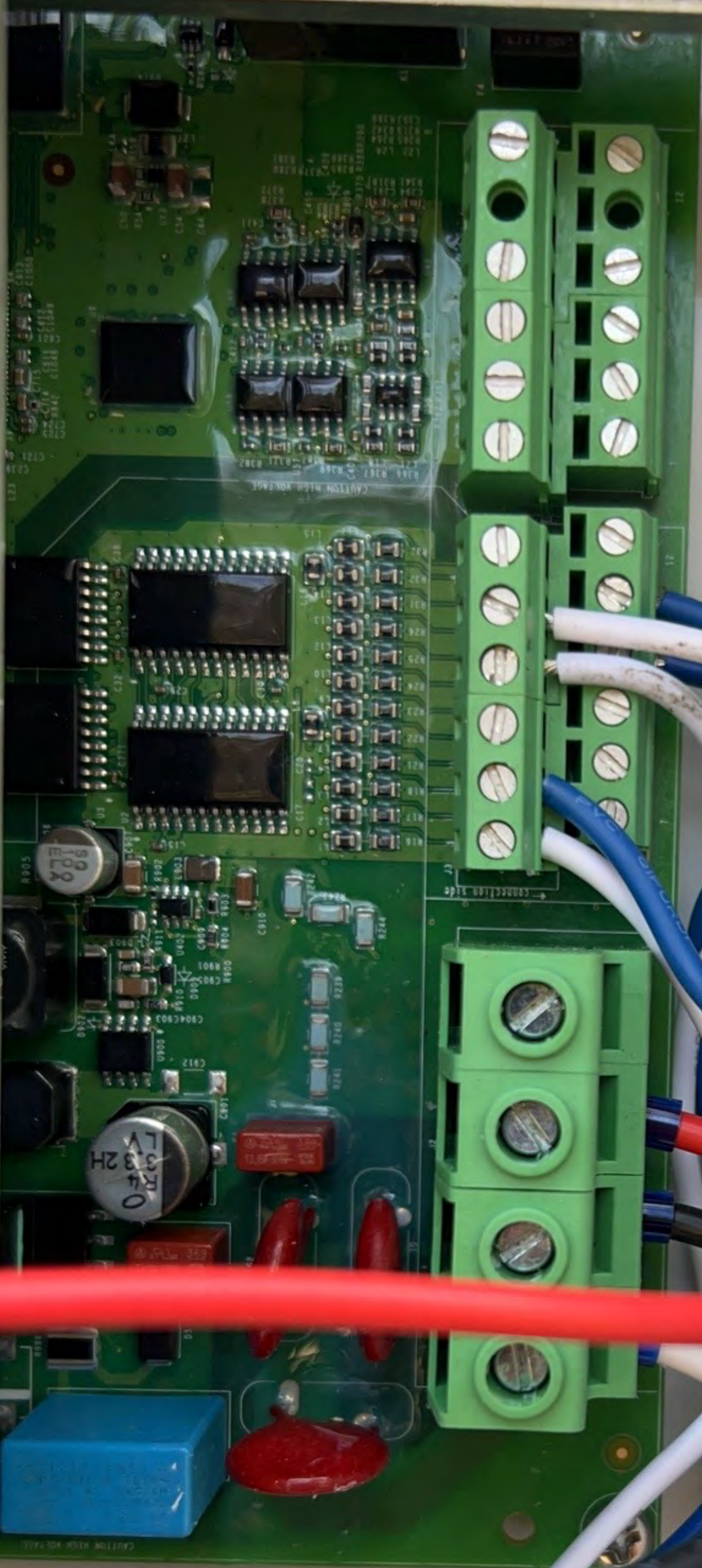
⚠ WARNING

ELECTRIC SHOCK HAZARD
TERMINALS ON THE LINE AND
LOAD SIDES MAY BE ENERGIZED
IN THE OPEN POSITION

⚠ WARNING

THIS EQUIPMENT FED BY MULTIPLE SOURCES. TOTAL RATING OF ALL OVERCURRENT DEVICES, EXCLUDING MAIN SUPPLY OVERCURRENT DEVICE, SHALL NOT EXCEED AMPACITY OF BUSBAR.

01-00537-02



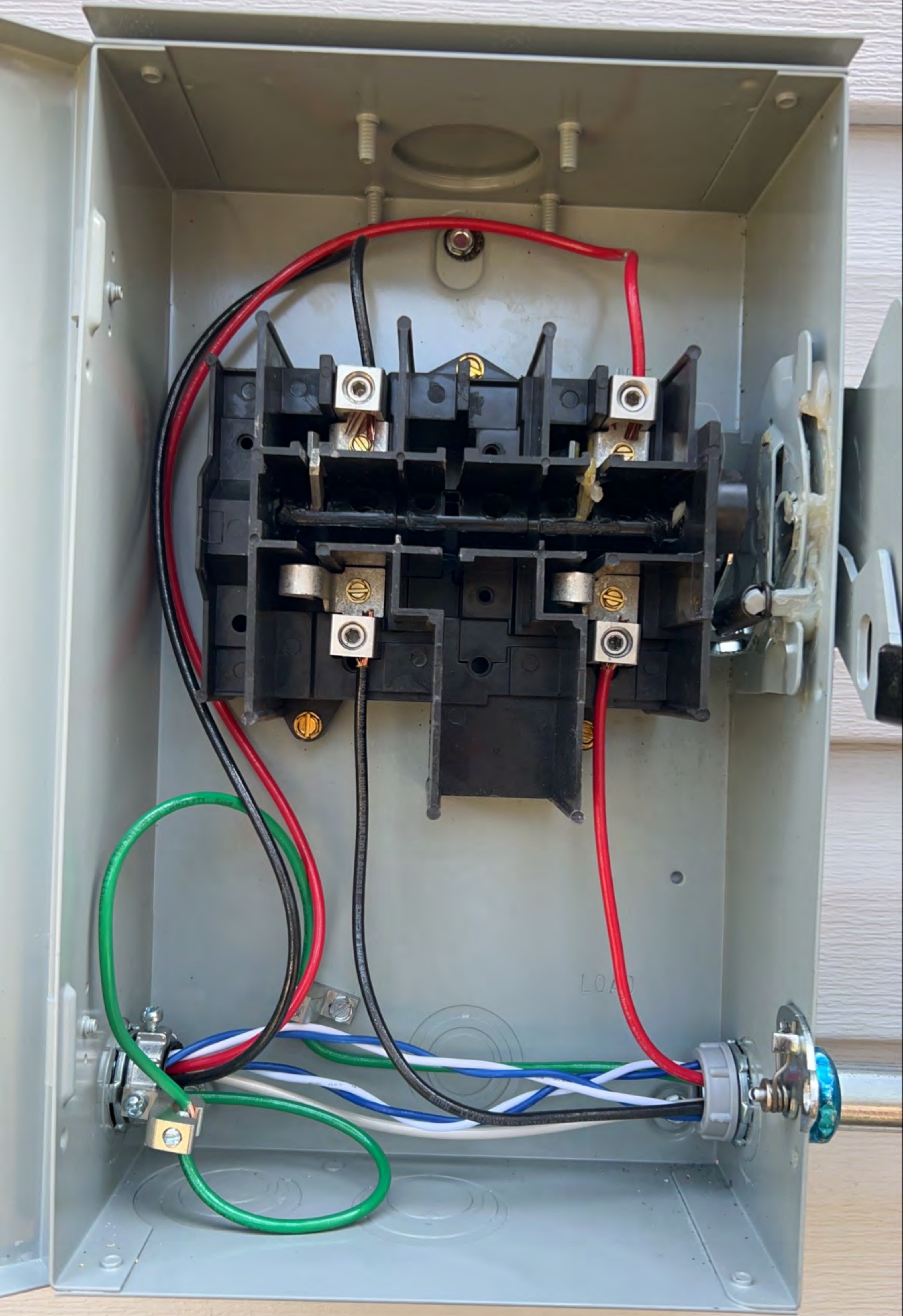
L1

L2

L1

L2

PLEASE
ENERGY
BE IN
CY1







PHOTOVOLTAIC POWER SOURCE





Boston

Lisa Poulos

10 panels
1 string



202234139210 883-01325

202234139210 883-01325

202234143045 883-01325

202234144340 883-01325

202234139223 883-01325

202234128281 883-01325

202234145198 883-01325

202234138446 883-01325

202234143505 883-01325

202234141510 883-01325

202234144023 883-01325

202234141510 883-01325

EAT-N Cutler-Hammer

CATALOG NO
MB121L200BTS

SERIES A 2-POLAR
200 AMP MAX
MAX 200 AMP

120/240 VAC 1 PHASE 3W
120/240 VAC 1 PHASE 3W
200/177/20 VAC 1 PHASE 3W

TYPE 3R ENCLOSURE - RAINPROOF
GABINETE 3RD 3R - PARA EXTERIORES

METER SOCKET RATED 200 AMP CONTINUOUS
MÓDULO DE MEDICIÓN 200 A EN REGIMEN CONTINUO

SHORT CIRCUIT RATING
10,000 AMP 5/8" SIM AMP 5/8" VAC MAX
CAPACIDAD DE CORTOCIRCUITO
10,000 A 5/8" SIM. EFECTIVO. MÁX. 5/8" VAC

THE SHORT CIRCUIT RATING IS LIMITED TO THE
SMALLEST INTERRUPTING CAPACITY OF ANY
DEVICE INSTALLED.
LA CAPACIDAD NOMINAL DE CORTOCIRCUITO
LIMITA LA MÁX. BAJA CAPACIDAD DE
INTERRUPCIÓN DE CUALQUIER DISPOSITIVO INSTALADO.

ADDITIONAL OR REPLACEMENT BREAKERS SHALL
HAVE AN INTERRUPTING RATING EQUAL TO
OR GREATER THAN THE INTERRUPTING RATING
OF THE MAIN CIRCUIT BREAKER.
LOS DISYUNTORES ADICIONALES O DE REEMPLAZO
DEBERÁN SER DE LA MISMA MARCA Y TIPO Y
TENER UNA CAPACIDAD DE INTERRUPCIÓN IGUAL
O SUPERIOR A LA DE CUALQUIER DISYUNTOR
INSTALADO.

WATT-HOUR METER NOT INCLUDED IN SHORT
CIRCUIT RATING.
EL DATÓMETRO DE HORAS NO ESTÁ INCLUIDO EN LA
CAPACIDAD DE CORTOCIRCUITO.

BREAKER HANDLE IN MID-POSITION INDICATES
BREAKER IS TRIPPED. TO RESTORE SERVICE,
MOVE HANDLE TO EXTREME OFF POSITION.
LA PALANCA DEL DISYUNTOR EN LA POSICIÓN
MEDIA INDICA QUE EL DISYUNTOR SE HA
DISPARADO. PARA RESTALEAR EL SERVIDO, MOVER
LA PALANCA AL EXTREMO "OFF" (DES-ON).

USE CUTLER-HAMMER CIRCUIT BREAKERS
TYPE 3R, 3RFP, 3RNF, 3RNL, 3RNL-2,
OR TYPES 3RCE, 3RCEP, 3RCEP-2 (GROUND
FAULT CIRCUIT INTERRUPTERS).

INSTALLATION AND USE OF THIS EQUIPMENT
SHOULD BE IN ACCORDANCE WITH ALL APPLIC-
ABLE LOCAL AND NATIONAL CODES.
LA INSTALACIÓN Y EL USO DE ESTE EQUIPO
DEBERÁN AJUSTARSE A TODOS LOS CÓDIGOS
LOCALES Y NACIONALES APLICABLES.

TO CLOSE UNLATCHED OPENERS IN COVER
USE CUTLER-HAMMER CAT. NO. BRP.
PARA CERRAR ABERTURAS NO CERRADAS EN LA COBERTA
UTILICE EL CAT. NO. BRP DE CUTLER-HAMMER.

SUITABLE FOR OVERHEAD OR UNDERGROUND
SERVICE ENTRY.
APPROPRIATE FOR SERVICE ENTRANCE OR
BYPASS TERMINALS. SUITABLE FOR AL-CU
TERMINALS. REFER TO MARKINGS
FOR WIRE SIZES.
CUTLER-HAMMER BREAKERS ARE SUITABLE FOR AL-CU
TERMINALS. REFER TO MARKINGS
FOR WIRE SIZES.

USE CUTLER-HAMMER BREAKERS FOR AL-CU
TERMINALS. REFER TO MARKINGS
FOR WIRE SIZES.

WIRE SIZE AL-CU
AWG/CAL. BOLT
CUT-OUT SIZE
TERMINAL SIZE

WIRE SIZE AL-CU AWG/CAL. BOLT	TERMINAL SIZE	TERMINAL SIZE
14-10	3/8" (9.5)	3/8" (9.5)
12-8	1/2" (12.7)	1/2" (12.7)
6-4	3/4" (19.0)	3/4" (19.0)
2-0	1 1/4" (31.8)	1 1/4" (31.8)

PHOTOVOLTIC
SOLAR BREAKER

PHOTOVOLTIC
SOLAR BREAKER

**SOLAR PV BREAKER
BREAKER IS BACKFED
DO NOT RELOCATE**

HAZARD DO NOT TOUCH
REVERSE EMERGENCY
STOP
DANGER
PELIGRO
NO TOQUE
REVERSE EMERGENCY
STOP
DANGER
PELIGRO
NO TOQUE

WARNING
IF THIS CABLE
IS FOUND TO BE
REVERSE EMERGENCY
STOP
CALL THE
REPAIR SERVICE



Heat
+
Range



PHOTOVOLTIC
SOLAR BREAKER

PHOTOVOLTIC
SOLAR BREAKER

**SOLAR PV BREAKER
BREAKER IS BACKFED
DO NOT RELOCATE**



WARNING
IF THIS CABLE
IS FOUND TO BE
REVERSE EMERGENCY
STOP
CALL THE
REPAIR SERVICE

DEC 11

EMERALD LAM II



FLAME RESISTANT

EMERALD LAM II
OSB
MADE IN USA

DEC 11

EMERALD LAM II



PHOTOVOLTAIC POWER SOURCE











ENPHASE
IQ8+

Grid-Connected Single-Phase Inverter
Maximum Power Point Tracker
Input Power: 1000 W
Output Power: 1000 W
Max. Input Current: 15 A
AC Output Voltage: 120 V
AC Output Frequency: 60 Hz
AC Output Phase: Single-Phase
AC Output Protection: GFCI Type E
Photovoltaic System Equipment
UL Certified to UL 1741 and IEEE 1547
UL 1741 SA Compliant | Assembled in Mexico

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference. (2) This device must accept any interference received, including interference that may cause undesired operation.



CAUTION: RISK OF SHOCK. IMMEDIATELY STOP IF COVER REMOVED. NO USER SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL.

WARNING: ELECTRIC SHOCK HAZARD
DC CONDUCTORS OF THE PHOTOVOLTAIC SYSTEM ARE UNGROUNDABLE AND MAY BE ENERGIZED. AC AND DC VOLTAGE SOURCES (SERIALS SERVICE) PHOTOVOLTAIC ARRAY SUPPLY ELECTRICAL ENERGY TO THIS DEVICE. WHEN ENERGIZED, CONTACT WITH PHOTOVOLTAIC MODULES OR ELECTRICAL CONNECTIONS CAN CAUSE SEVERE BURNS OR DEATH.

ATTENTION: RISK OF ELECTROSHOCK
LES CONDUCTEURS DE LA SOURCE PHOTOVOLTAÏQUE NE SONT PAS RÉSILIÉS À LA TERRE ET PEUVENT ÊTRE SOUS TENSION. LES SOURCES DE TENSION CA ET CC SONT ENERGISÉES. LE CONTACT AVEC LES CONDUCTEURS PHOTOVOLTAÏQUES ET LES BRANCHES ÉLECTRIQUES PEUT CAUSER DE GRAVES BŰLES OU LA MORT.



PV SYSTEM kWh METER

CAUTION: SOLAR ELECTRIC SYSTEM CONNECTED

WARNING: ELECTRICAL SHOCK HAZARD. TERMINALS ON THE LINE AND LONG WIRING MAY BE ENERGIZED IN THE OPEN POSITION.

MAIN PHOTOVOLTAIC SYSTEM AC DISCONNECT

CAUTION

AC DISCONNECT

E.T-N

WARNING: ELECTRICAL SHOCK HAZARD. TERMINALS ON THE LINE AND LONG WIRING MAY BE ENERGIZED IN THE OPEN POSITION.

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

AC DISCONNECT

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

ENPHASE

WARNING: ELECTRICAL SHOCK HAZARD. TERMINALS ON THE LINE AND LONG WIRING MAY BE ENERGIZED IN THE OPEN POSITION.

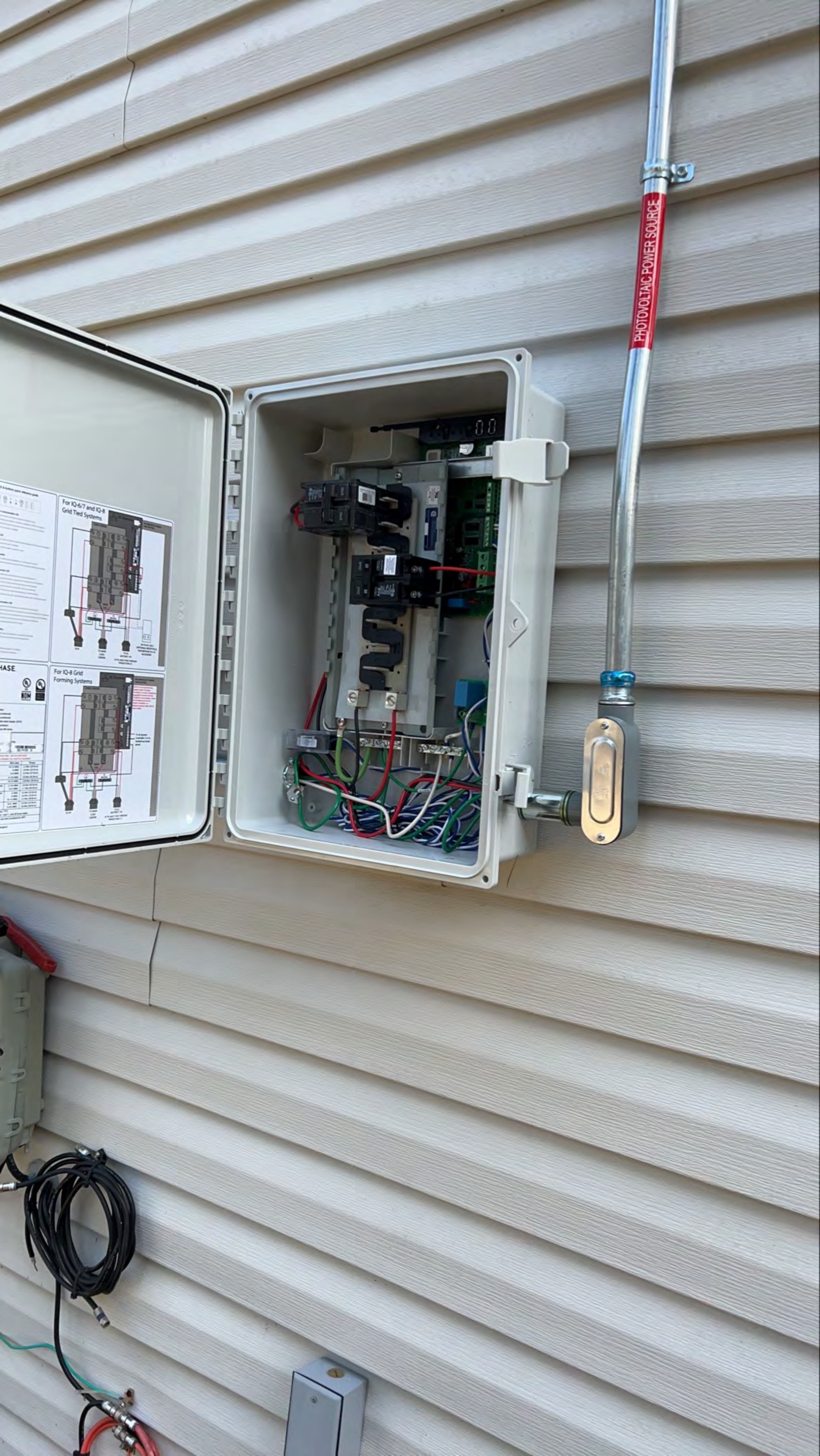
WARNING: THIS EQUIPMENT IS NOT TO BE USED FOR ANY OTHER PURPOSES. THE EQUIPMENT IS NOT TO BE USED FOR ANY OTHER PURPOSES.

PROTECTIVE DEVICE



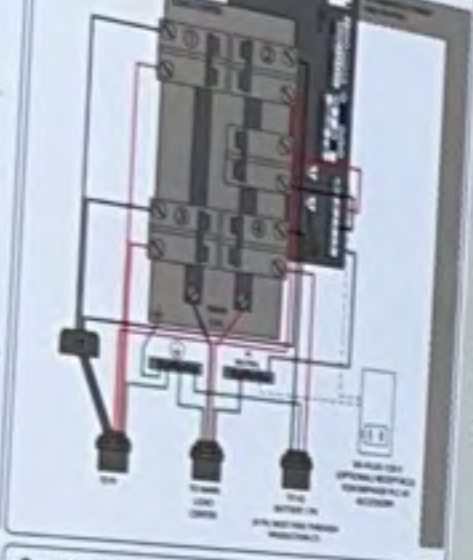




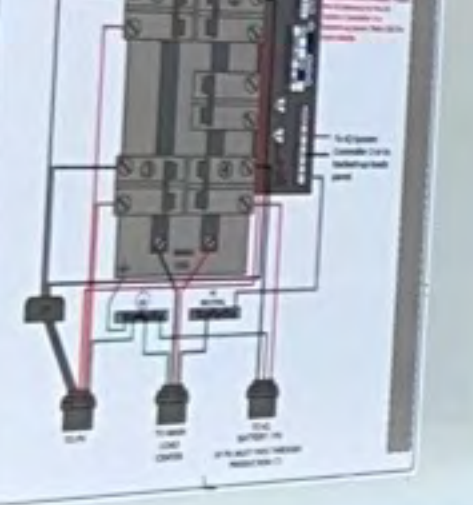


PHOTOVOLTAIC POWER SOURCE

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



For IQ-8 Grid Forming Systems



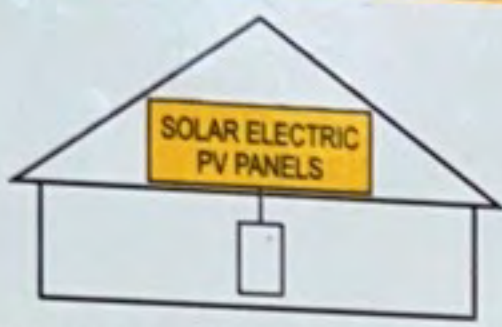
PHASE

Table with technical specifications and safety warnings, including a warning symbol and a table of values.





**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

THIS EQUIPMENT FED BY MULTIPLE
SOURCES. TOTAL RATING OF ALL
OVERCURRENT DEVICES, EXCLUDING
MAIN SUPPLY OVERCURRENT
DEVICE, SHALL NOT EXCEED
AMPACITY OF BUSBAR.

 ENPHASE.

PHOTOVOLTAIC POWER SOURCE

Boston

Lisa Poulosidy

10 panels
1 string



202234139210 883-01325

202234144340 883-01325

202234128281 883-01325

202234138446 883-01325

202234144023 883-01325

202234139223 883-01325

202234145198 883-01325

202234143505 883-01325

202234141510 883-01325

202234143045 883-01325







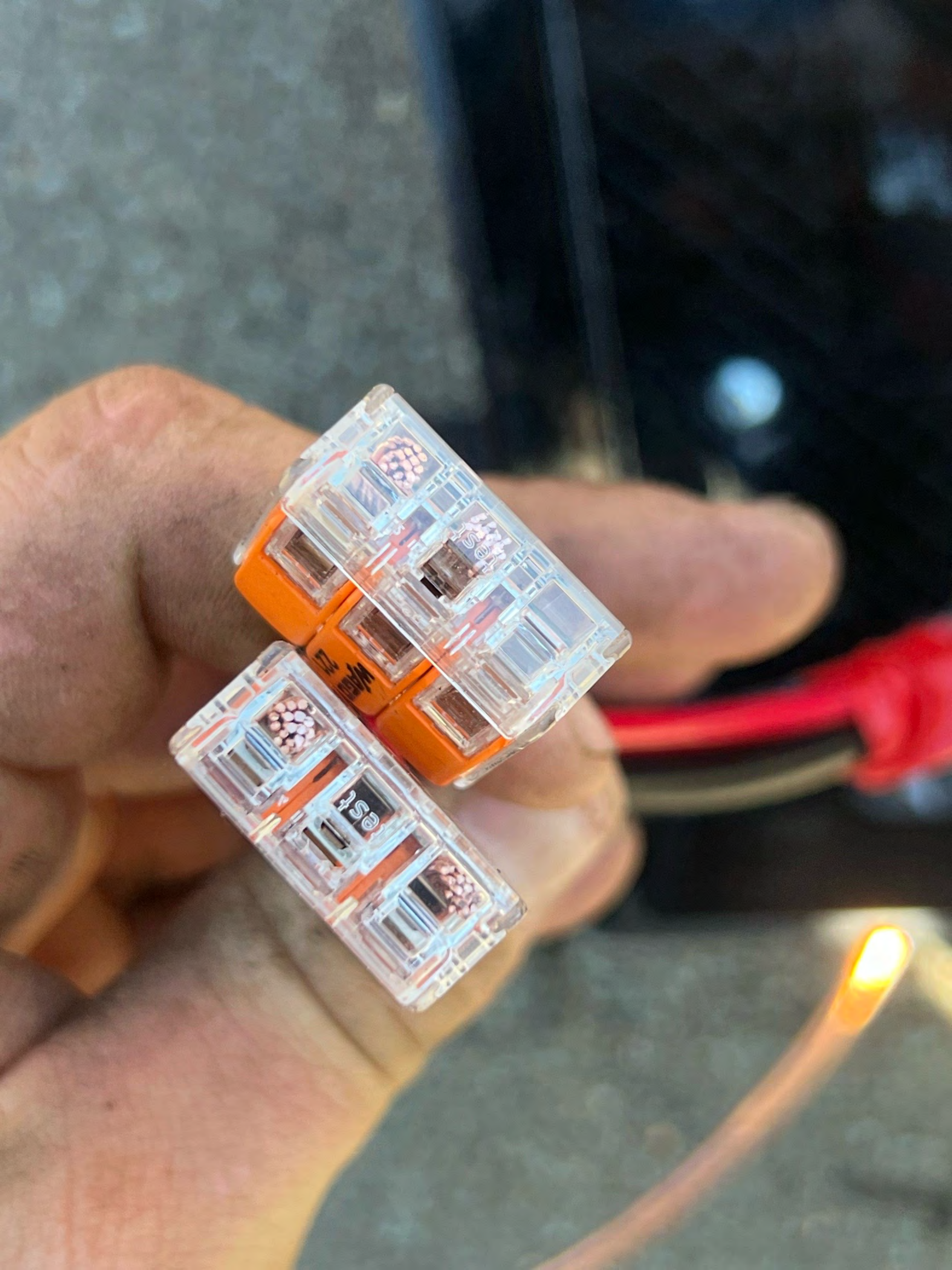




PHOTOVOLTAIC POWER SOURCE

W11
A06







192181111

HEAT

T

RANGE

Sub
FAN

A/C

60 On/1
 60 On/1
 40 On/1
 40 On/1
 20 On/1
 20 On/1

Common Trip

Common Trip

Common Trip

Common Trip

Common Trip

Common Trip

90 On/1
 90 On/1
 45 On/1
 45 On/1

Common Trip

Common Trip

Common Trip

Common Trip

PHOTOVOLTAIC SOLAR BREAKER

PHOTOVOLTAIC SOLAR BREAKER

SOLAR PV BREAKER
BREAKER IS BACKFED
DO NOT RELOCATE

⚠ DANGER
 HAZARDOUS VOLTAGE. WILL CAUSE SEVERE INJURY OR DEATH.
 Turn OFF power supplying this equipment before working inside.
TENSION DANGEREUSE. PEUT CAUSER DES BLESSURES GRAVES OU LA MORT.
 Couper l'alimentation électrique de cet équipement avant d'y effectuer des travaux.

⚠ PELIGRO
 VOLTAJE PELIGROSO. CAUSA HERIDAS SEVERAS O MUERTE.
 INTERRUPTA el suministro de energía que alimenta este equipo antes de trabajar en el interior del mismo.

30-17481-2 REV. E1



MISSION SOLAR
Model Number: MS221215-B0717
Serial Number: 241215-0174

(V)	24.1
(V _{OC})	27.5
(I _{SC})	1.24
(P _{max})	10.88
(I _m)	1.00

Power: 20
Temp Coeff: -0.0050%/°C

For best performance, use Coating, LUMPS (USA, CANADA, Mexico) based (B1, A4) solar panels for a minimum of 40°C, and use conductive and treated to meet UL1709 and UL1741 requirements. Do not use for applications where the temperature exceeds the rated temperature. Do not use for applications where the temperature exceeds the rated temperature. Do not use for applications where the temperature exceeds the rated temperature.

Area Rating: Type I
Class of Insulation: Class II
Change Load: Maximum 1000 VA per unit and maximum 1000 VA total load

Warning: Do not generate voltage even with solar panel light. Do not open the panel cover. Do not touch the conductive parts. Do not touch the conductive parts. Do not touch the conductive parts.

8323 S. New Hope
Fort Adams, TX 78120
ASSEMBLED IN THE USA











EXOSHAFT

WFRN

FT4 SIMBEN ROHS

sunlight resistant

oil res

-40C

12AWG

2/C

90C dry

wet

THHN/THWN-2





PV SYSTEM kWh METER



DUKE ENERGY
14927810

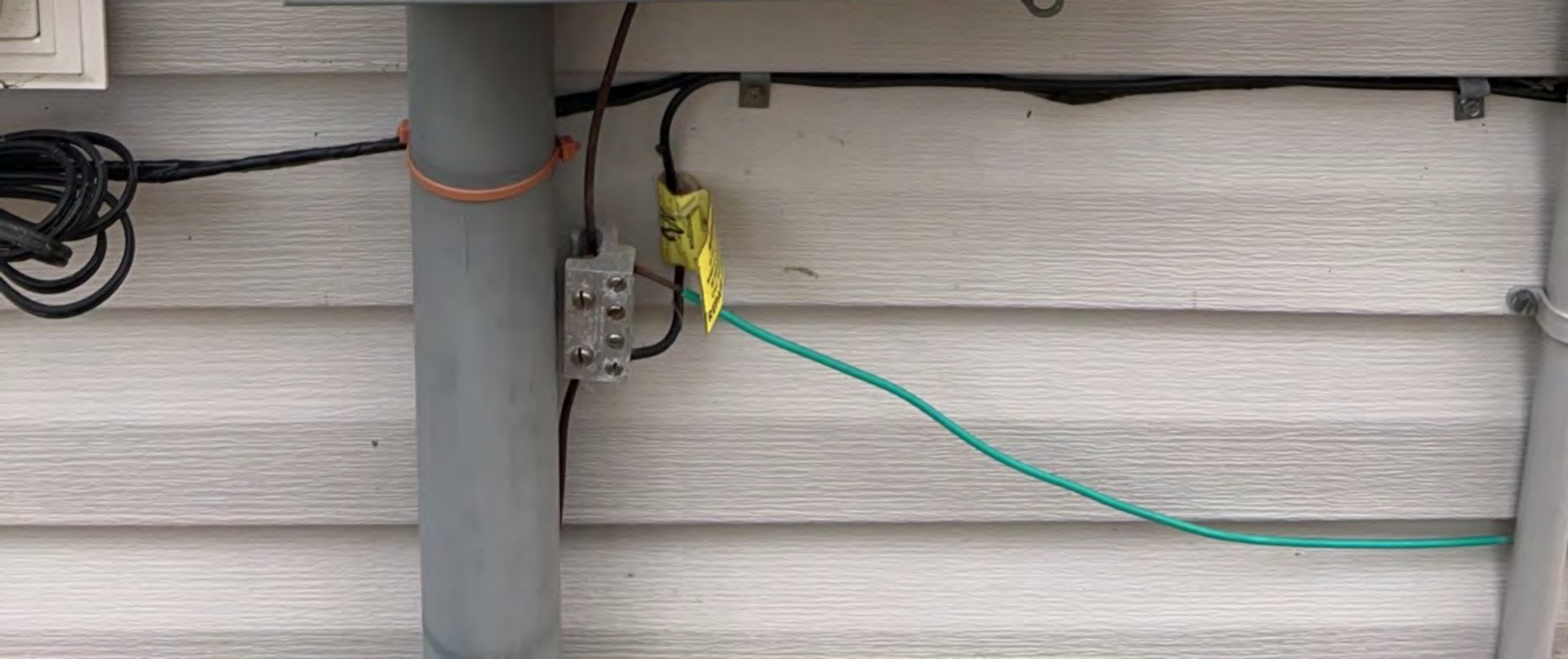
CAUTION: SOLAR ELECTRIC SYSTEM CONNECTED

WARNING
ELECTRIC SHOCK HAZARD
TERMINALS ON THE LINE AND
LOAD SIDES MAY BE ENERGIZED
IN THE OPEN POSITION

**MAIN PHOTOVOLTAIC SYSTEM
AC DISCONNECT**

CAUTION
SOLAR POINT OF CONNECTION

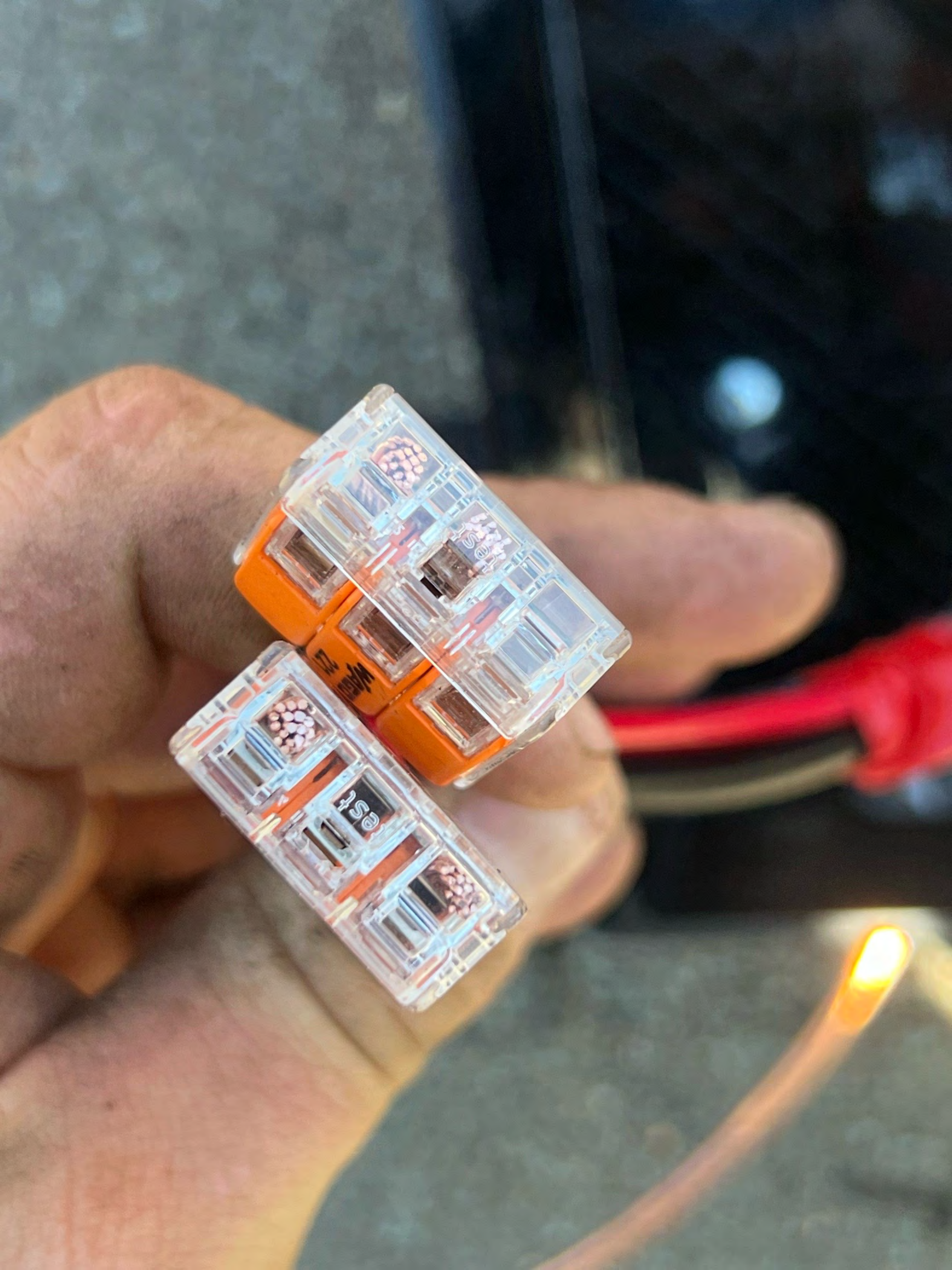
EATON
CAT. NO. MB12-V2-200BTB-FLCH
300 AMP 120/240 VOLTS AC





202240163435 883-01374







MISSION SOLAR
energy

Serial No. **M221213-20717**

MSE385A1R
388 (±0/+3%)

(V)	38.2
(V)	37.0
(A)	11.24
(A)	10.88
(W)	1000

20
AMo1.5 E-1000W/m² Tc=25°C

Model Number
Rated Maximum Power
Open - Circuit Voltage
Voltage at Pmax
Short - Circuit Current
Current at Pmax
Max. System Voltage
Max. Series overcurrent protective device (where required) fuse rating
Standard test condition

For field connections, use Q only, 12AWG (US, CANADA), 4mm² (EU, Asia) wires insulated for a maximum of 90°C rated for wet conditions and resistant to ultra violet radiation (where exposed). See installation manual for PV connector details and compatibility. Avertissement: Risque de choc électrique. Ce module produit des tensions élevées dans la lumière du soleil. Risque électrique peut choquer, brûler ou de provoquer la mort. Ne pas toucher la borne.

Fire Rating: Type 1
Class of Equipment: Class II
Design Load: Minimum 3600 Pa front and minimum 1600 Pa back load

Warning
PV modules generate voltage even with very weak light. Do not open the junction box. Les modules PV produisent tension même en basse lumière. Ne pas ouvrir la boîte de jonction.

Address:
8303 S. New Braunfels Ave.
San Antonio, TX 78235
ASSEMBLED IN THE USA







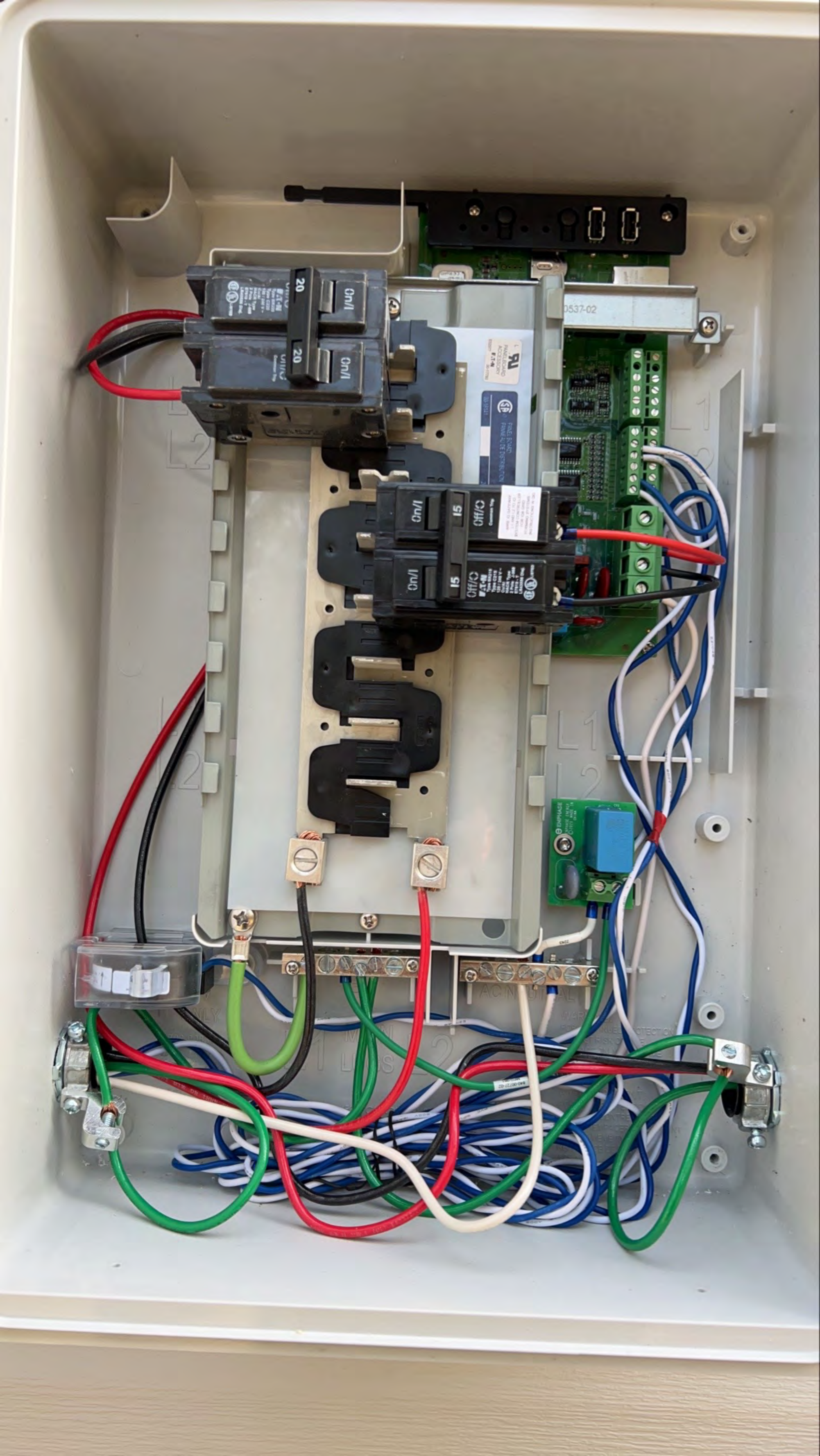


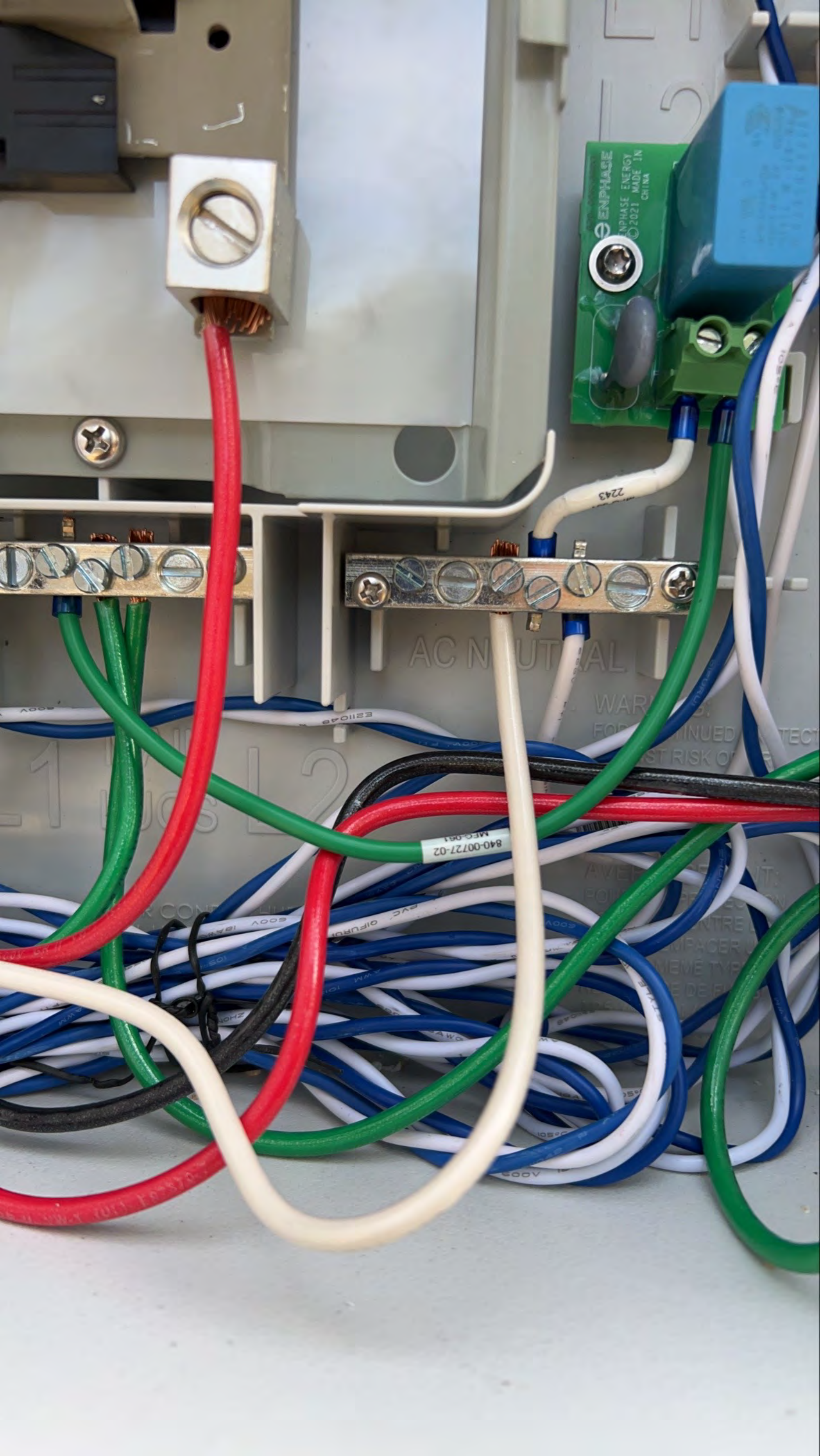










ENPHASE
ENPHASE ENERGY
©2021 MADE IN
CHINA

AC NEUTRAL

WARNING: FOR CONTINUED PROTECTION
RISK OF

840-00727-02
MEC-091

PVC OLFURD
600V

600V

105°C

600V

105°C

105°C

105°C

105°C

105°C

105°C

105°C

105°C

105°C

105°C

WARNING
DE-ENERGIZE ALL CIRCUITS BEFORE INSTALLING THE CT LEAD WIRES (BELOW THIS DEADFRONT). SAFETY HAZARD AND RISK OF EQUIPMENT DAMAGE IF INSTALLED WHILE CIRCUITS ARE ENERGIZED

WARNING
WIRE IQ GATEWAY L1 AND L2 TO IQ SYSTEM CONTROLLER 2 FOR IQB GRID FORMING SYSTEMS - INSTRUCTIONS IN IQG

On/I
15
On/I
15
On/I/C
On/I/C

WARNING:
RISK OF ELECTRIC SHOCK. DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. WHEN THE PHOTOVOLTAIC ARRAY IS EXPOSED TO LIGHT, IT SUPPLIES AN ION OUTAGE TO THIS EQUIPMENT.

AVERTISSEMENT:
RISQUE D'ÉLECTROCUTION. NE PAS OUVRIR LE COUVERCURE POUR TOUTE RÉPARATION OU SERVICE D'ENTRETIEN. CONSULTER UN AGENT QUALIFIÉ. QUAND LES PANNELS PHOTOVOLTAÏQUES SONT EXPOSÉS À LA LUMIÈRE, IL Y A UN RISQUE D'INTERRUPTION DE L'ÉNERGIE À CET APPAREIL.

WARNING HIGH VOLTAGE
AVERTISSEMENT HAUTE TENSION

EATON®


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

60 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. Replace all parts. Close cover before turning power ON.
	TENSION DANGEREUSE. PEUT CAUSER DES BLESSURES GRAVES OU LA MORT. ● Ne jamais manœuvrer l'interrupteur lorsque le couvercle est ouvert. ● Couper l'alimentation en amont de l'interrupteur avant toute intervention. Remplacer les pièces. Fermer le couvercle avant de remettre sous tension.
	⚠ PELIGRO VOLTAJE PELIGROSO. PUEDE CAUSAR HERIDAS SEVERAS O LA MUERTE. ● Nunca opere el interruptor con la cubierta abierta. ● Desconectar la alimentación del interruptor antes de trabajar dentro del mismo. Reemplazar todas las partes. Cerrar la cubierta antes de energizar el interruptor.

30-43060



⚠ WARNING
ELECTRIC SHOCK HAZARD
TERMINALS ON THE LINE AND
LOAD SIDES MAY BE ENERGIZED
IN THE OPEN POSITION

pvtlabels.com

05-215

ON
I

**RAPID SHUTDOWN
SWITCH FOR
SOLAR PV SYSTEM**

OFF
O

AC DISCONNECT
**PHOTOVOLTAIC SYSTEM
POWER SOURCE**

RATED AC OUTPUT CURRENT **12.10** AMPS

NOMINAL OPERATING AC VOLTAGE **240** VOLTS

pvtlabels.com

03-306

PHOTOVOLTAIC POWER SOURCE

PFS
THIS SIDE DOWN
383-458-1350
MADE IN USA

DEC 17
MADE IN USA



EATON®


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

60 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. Replace all parts. Close cover before turning power ON.
	TENSION DANGEREUSE. PEUT CAUSER DES BLESSURES GRAVES OU LA MORT. ● Ne jamais manœuvrer l'interrupteur lorsque le couvercle est ouvert. ● Couper l'alimentation en amont de l'interrupteur avant toute intervention. Remplacer les pièces. Fermer le couvercle avant de remettre sous tension.
	⚠ PELIGRO VOLTAJE PELIGROSO. PUEDE CAUSAR HERIDAS SEVERAS O LA MUERTE. ● Nunca opere el interruptor con la cubierta abierta. ● Desconectar la alimentación del interruptor antes de trabajar dentro del mismo. Reemplazar todas las partes. Cerrar la cubierta antes de energizar el interruptor.

30-43080



⚠ WARNING
ELECTRIC SHOCK HAZARD
TERMINALS ON THE LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

pvtlabels.com 05-215

ON
I

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM
--

03-316

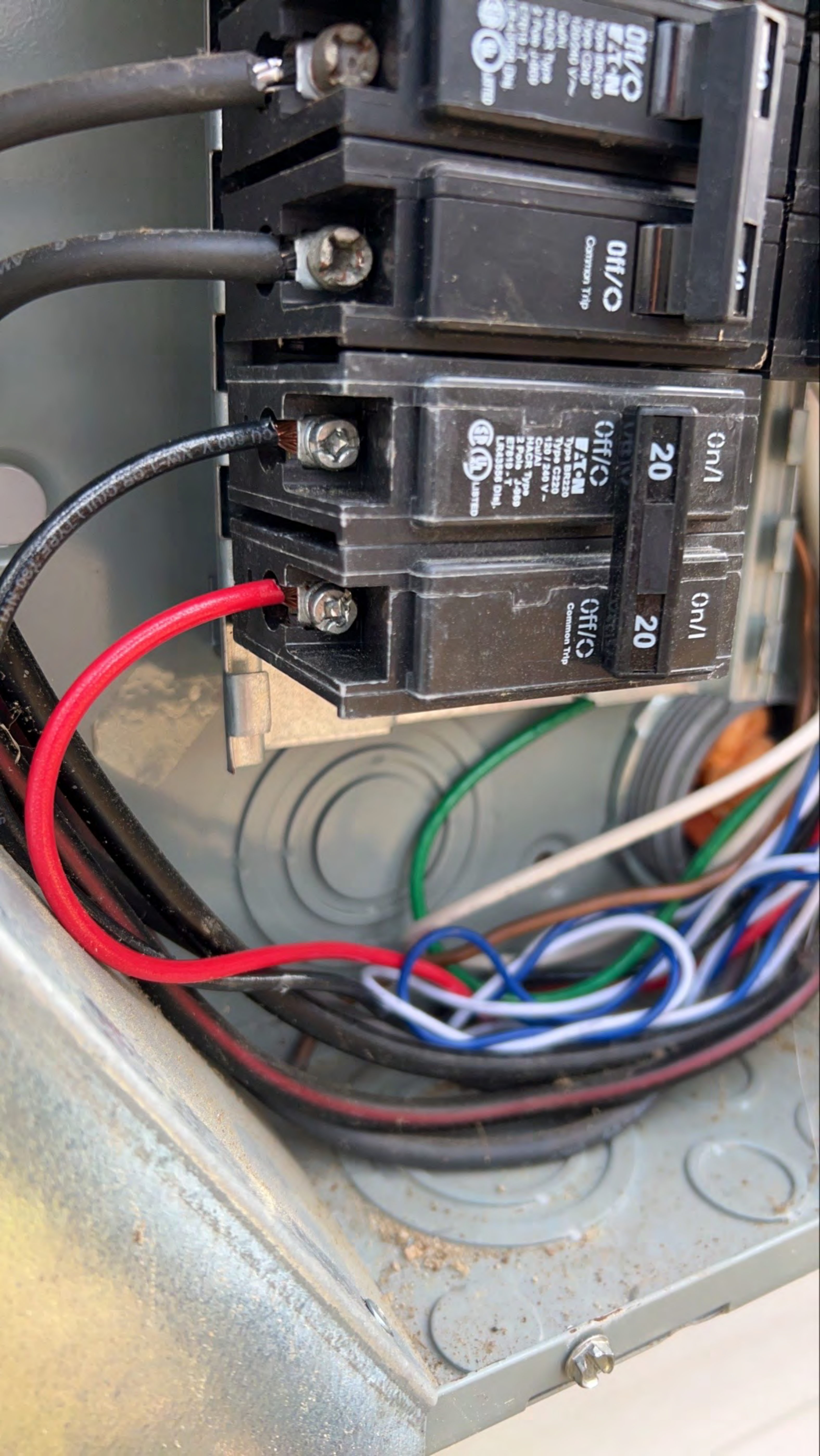
OFF
O

AC DISCONNECT
PHOTOVOLTAIC SYSTEM POWER SOURCE
RATED AC OUTPUT CURRENT 12.10 AMPS
NOMINAL OPERATING AC VOLTAGE 240 VOLTS

pvtlabels.com 03-306







Off/O
20
Type BR220
Type C220
120 / 240 V ~
Circuit
Breaker Type
& Fuse listed
ET819 - T
Listed to UL 488
UL LISTED

Off/O
Common Trip

Off/O
20
On/I
Type BR220
Type C220
120 / 240 V ~
Circuit
Breaker Type
& Fuse listed
ET819 - T
Listed to UL 488
UL LISTED

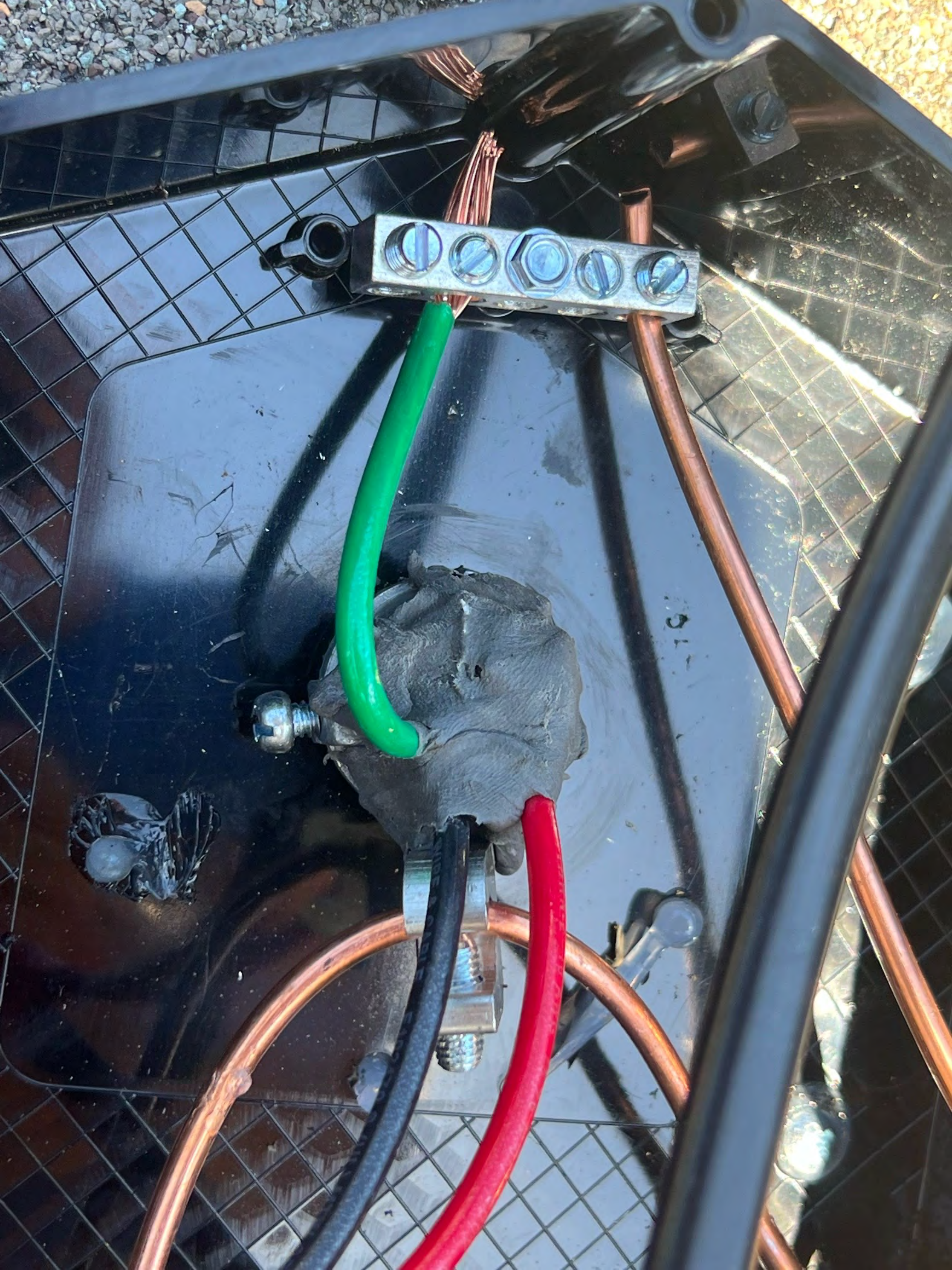
Off/O
Common Trip

20

On/I

20

On/I





ENPHASE
IQ8+
Grid Support Utility Inverter
Multi-Phase Inverter

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause unintended operation.

CAUTION: RISK OF SHOCK. IMMEDIATELY COVER REMOVED. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING: ELECTRIC SHOCK HAZARD. DC CONDUCTORS OF THE PHOTOVOLTAIC SYSTEM ARE UNGROUNDING SOURCES. ALWAYS DEENERGIZE AND DISCONNECT BOTH BEFORE SERVICING THIS EQUIPMENT. AIRRAT SUPPLY LIGHT NOT SURFACE MOUNT TO REDUCE THE RISK OF BURNS. DO NOT TOUCH.

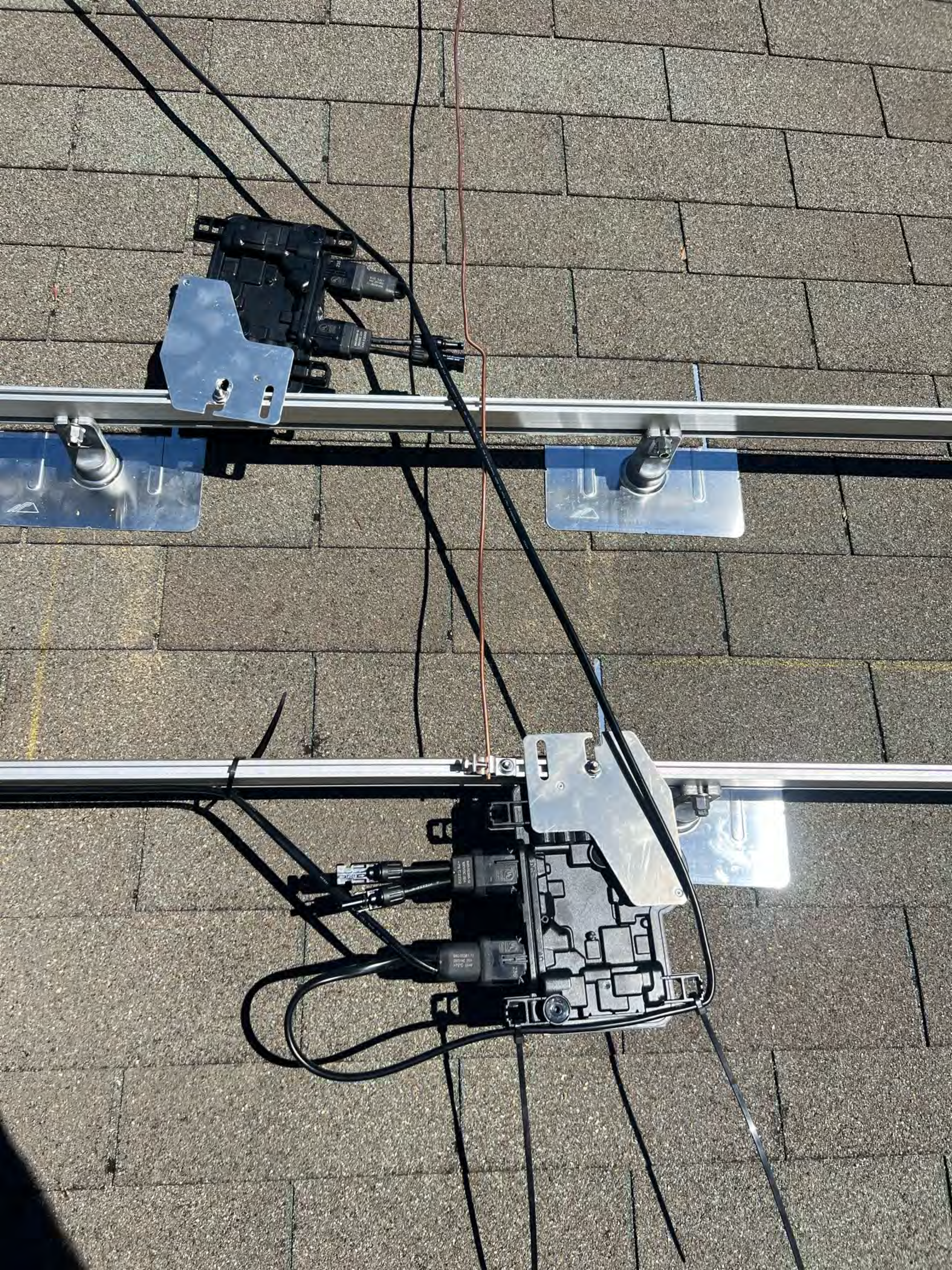
ATTENTION: RISQUE D'ÉLECTROCUTION. LES CONDUCTEURS DU SYSTÈME PHOTOVOLTAÏQUE NE SONT PAS RELIÉS À LA TERRE ET REQUIÈRENT ÊTRE DÉSÉNERGIZÉS AVANT TOUTE INTERVENTION. LES CÂBLES COURANTS AIRRAT SONT À TENSION. NE PAS TOUCHER. LE RISQUE D'ÉLECTROCUTION EST ÉLEVÉ À LA LUMIÈRE. NE PAS TOUCHER.

UL LISTED

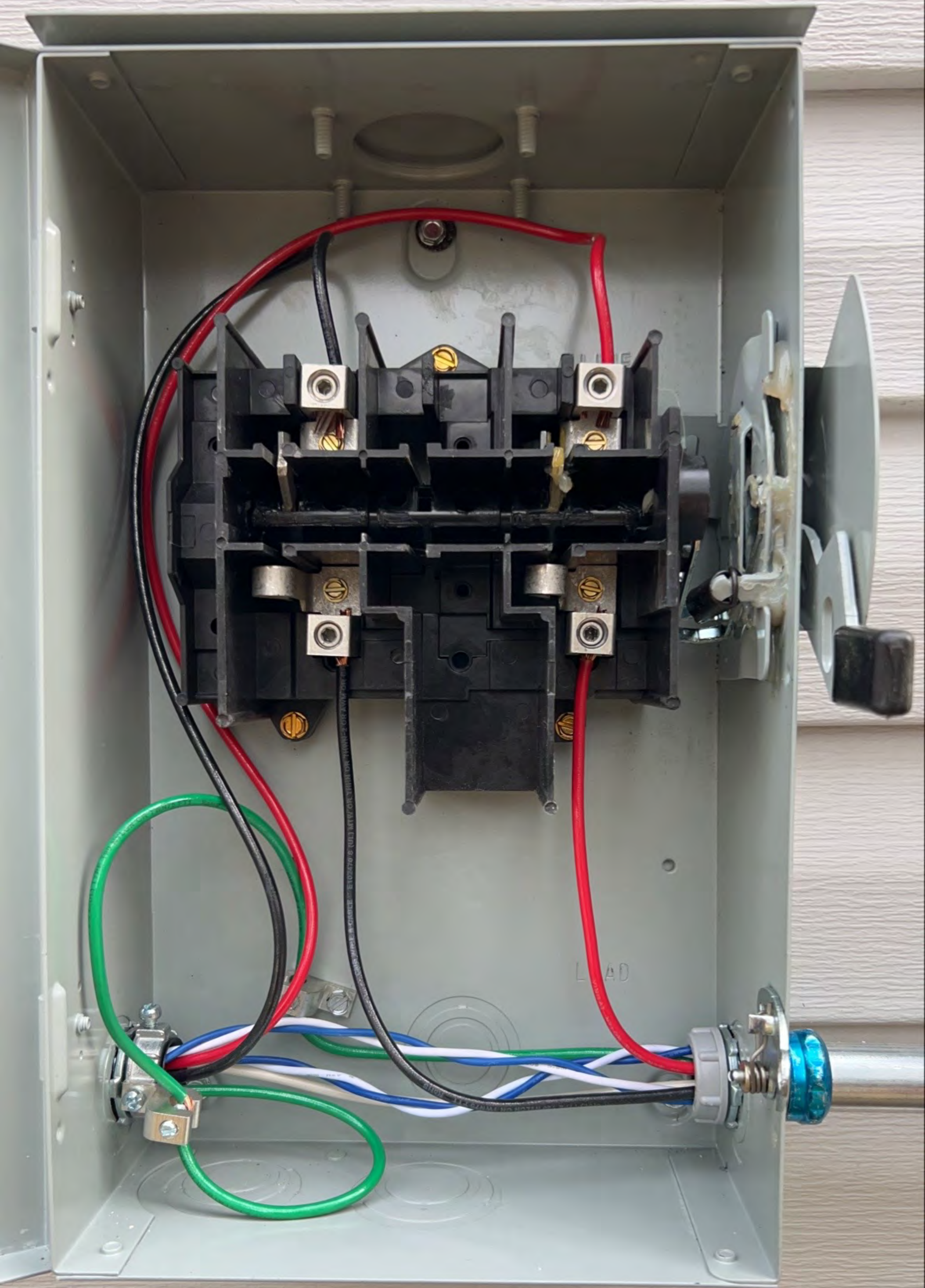
AC output power (max. continuous): 200 W
Input power (max. continuous): 200 W
Input voltage (range): 120 V AC
Input current (range): 1.7 A
AC output frequency: 60 Hz
AC output voltage (range): 120 V AC
Temperature operating range: -20°C to 60°C
Maximum ambient temperature: 60°C
Maximum altitude: 3000 m
Maximum wind speed: 120 km/h
Maximum snow load: 200 kg
Maximum hail: 25 mm
Maximum ice load: 25 mm
Maximum wind speed: 120 km/h
Maximum snow load: 200 kg
Maximum hail: 25 mm
Maximum ice load: 25 mm

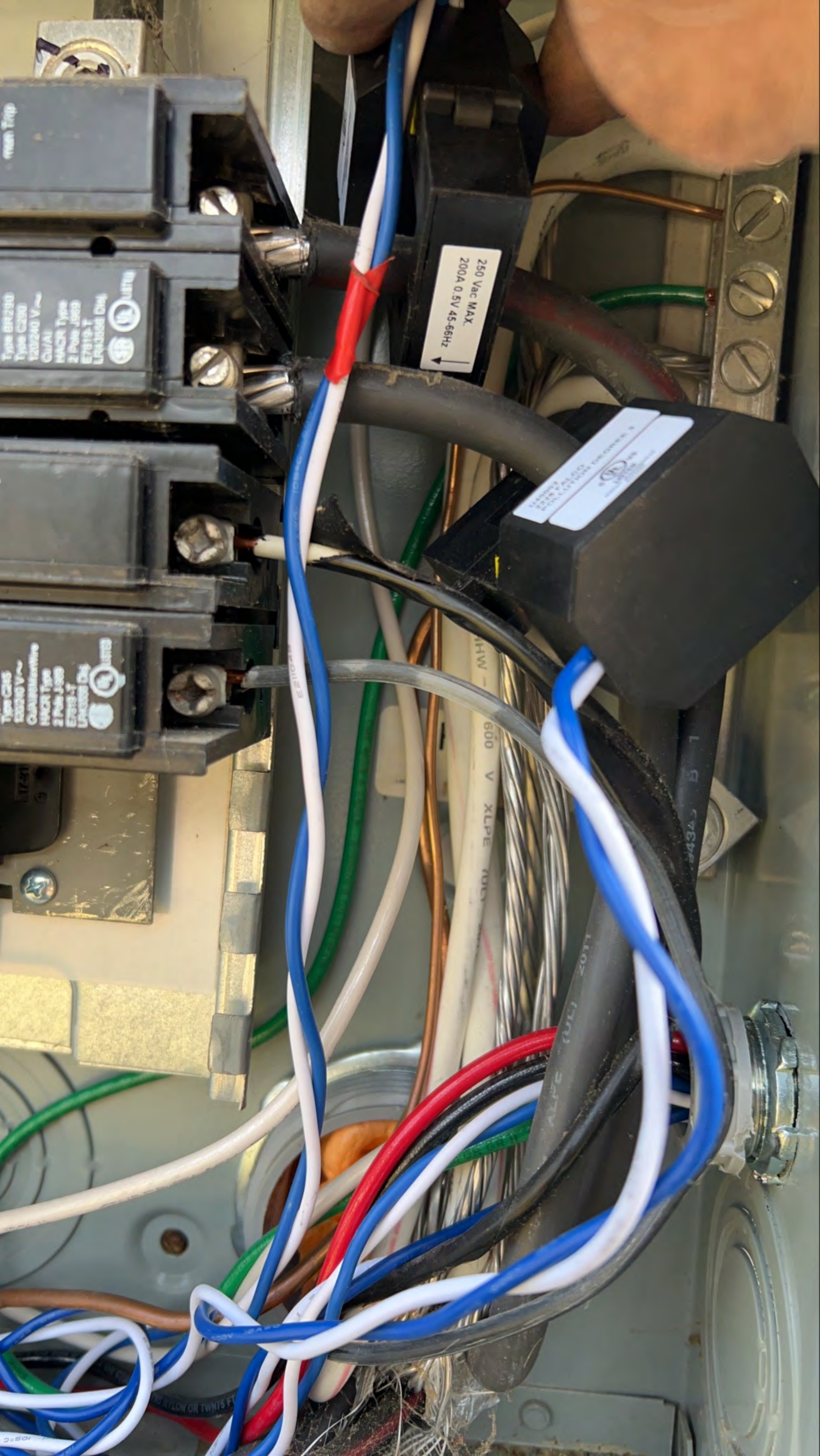














PHOTOVOLTAIC POWER SOURCE





Lisa Podsiadly
205 Gold Ct, Broadway, Md

WARNING!

DO NOT TOUCH THE WIRING OR COMPONENTS INSIDE THIS EQUIPMENT. CONTACT WITH ANY OF THESE COMPONENTS MAY BE DANGEROUS TO YOUR HEALTH AND MAY CAUSE DAMAGE TO THE EQUIPMENT.

10 panels 1 string

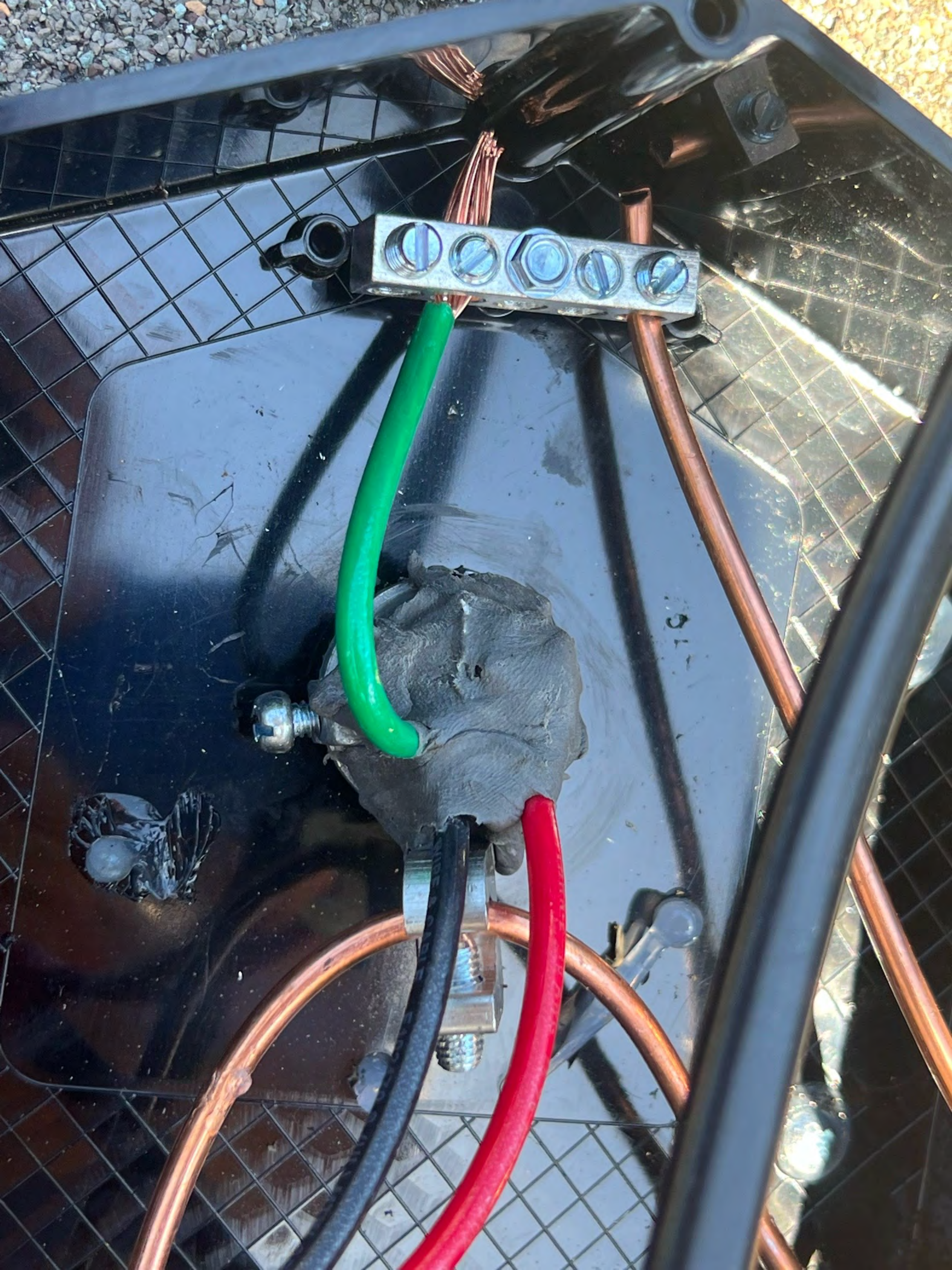
REPAIRS BY: ALL ATTN: BILMIAL
VENDOR: JONATHAN
FOR ALL SYSTEMS & PARTS: 15-20 15-IN
CONFORM TO N. STANDARD 1741

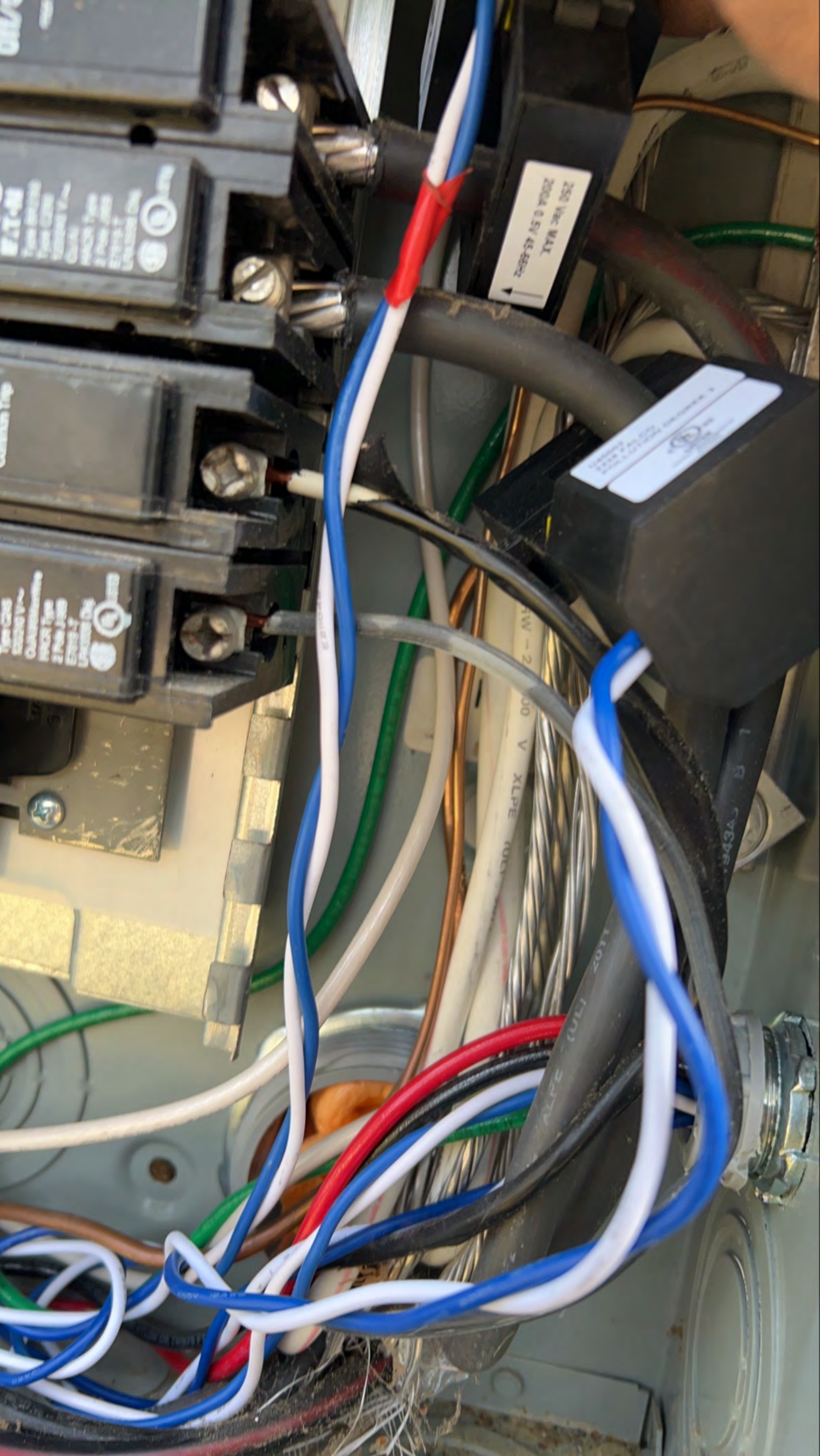


Intertek
1019042 IECMA JK



WAGO 271





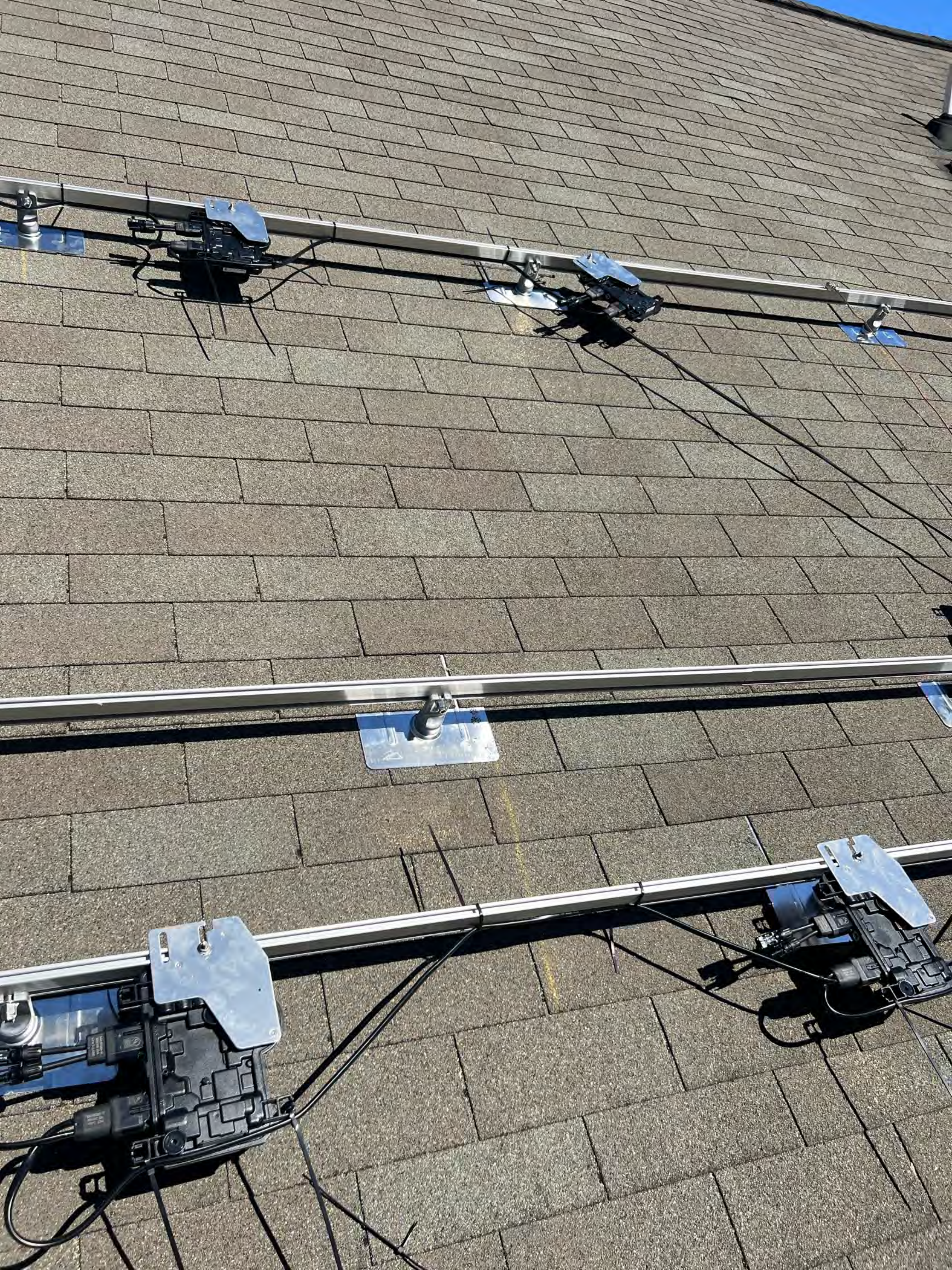
250 VAC MAX
200A 0.5V 45-65Hz

ALPE (ULI) 2071

AW - 2 00 V XLPE (00)

943A B L







PV SYSTEM MAIN METER

CAUTION SOLAR ELECTRIC SYSTEM CONNECTED

WARNING

MAIN PHOTOVOLTAIC SYSTEM AC DISCONNECT

CAUTION

E.T-N

WARNING

CAUTION

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

AC DISCONNECT

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

WARNING

ENPHASE

WARNING

Small grey electrical box, likely a junction box or transformer, mounted on a vertical metal pipe.

Small grey electrical box mounted on a vertical metal pipe.







Boston

Lisa Poulosidy

10 panels
1 string



202234139210 883-01325

202234144340 883-01325

202234128281 883-01325

202234138446 883-01325

202234144023 883-01325

202234139223 883-01325

202234145198 883-01325

202234143505 883-01325

202234141510 883-01325

202234143045 883-01325

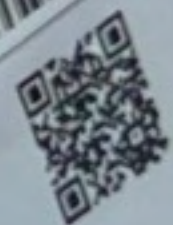




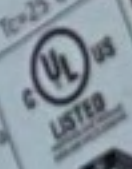
Serial No. **M230223-B0635**

Model Number
 Rated Maximum Power
 Open-Circuit Voltage
 Voltage at Pmax
 Short-Circuit Current
 Current at Pmax
 Max. System Voltage
 Max. Series overcurrent protective device (where required) fuse rating
 Standard test condition

(W) 385 (-3/+3%)
 (V) 48.2
 (V) 37.0
 (A) 11.24
 (A) 10.88
 (V) 1000



20
 AMB1.5 Eo1000W/m² Tc=25°C



For field connections, use Cu only 12AWG (UL CANADAL 4mm² (UL) AWG) wires insulated for a minimum of 90°C, rated for wet conditions and resistant to ultraviolet radiation (where exposed). See installation manual for PV connector details and compatibility. **Warning: Risk of electric shock. Caution: Risk of fire or explosion. Do not touch the back of the module.**

Fire Rating: Type I
 Class of Equipment: Class II
 Design Load: Minimum 3000 Pa front and minimum 1600 Pa back load

Warning: PV modules generate voltage even with very weak light. Do not open the junction box. Les modules PV produisent tension même en basse lumière. Ne pas ouvrir la boîte de jonction.

Address:
 8303 S. New Braunfels Ave.
 San Antonio, TX 78235

ASSEMBLED IN THE USA



Lisa Podsiadly
205 Gold Ct, Broadway, Md

WARNING!

DO NOT TOUCH THE WIRING OR COMPONENTS INSIDE THIS EQUIPMENT. CONTACT WITH ANY OF THESE PARTS MAY BE DANGEROUS TO YOUR HEALTH AND MAY CAUSE DAMAGE TO THE EQUIPMENT. ALWAYS USE THE PROPER SAFETY PROCEDURES TO AVOID INJURY TO YOURSELF OR OTHERS.

10 panels 1 string

REPAIRS BY: ALL ATTN: N. BLANK
VENDOR: JONATHAN
FOR ALL SYSTEMS & PARTS: 15-20 15-IN
CONFORM TO N. STANDARD 1741



Interlock
1019042 IECMA JK

