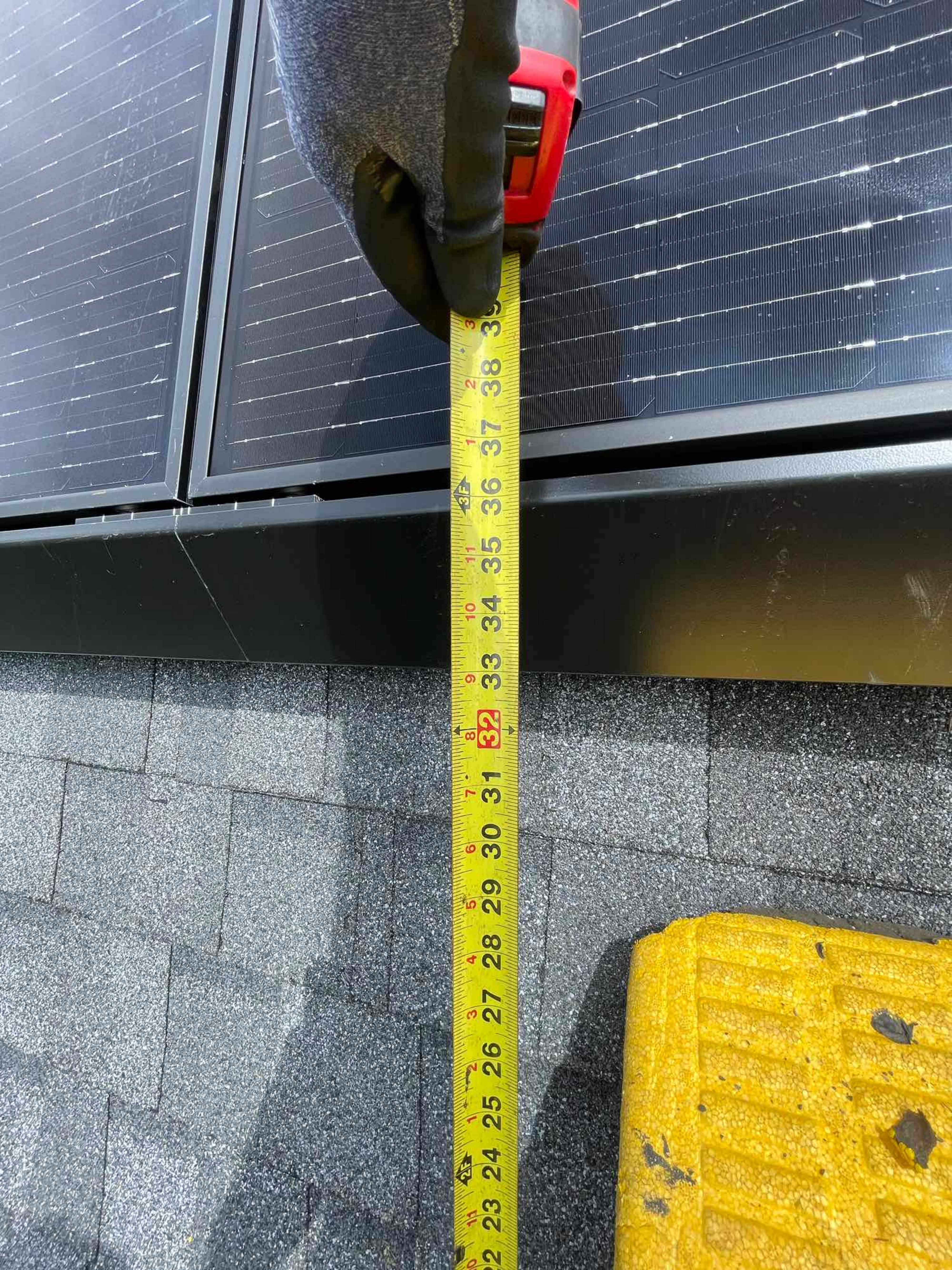












2 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39









222 Blue monarch Ln
Fountain-Vermont, VT, 27526



We aim for a greener tomorrow with completely clean energy solutions

Q. PEAK DUO BLK ML-G10+/TS 410

PERFORMANCE AT STANDARD TEST CONDITIONS*

Nominal Power* (+5W/-0W)	P _{MP}	[W]	410
Short circuit current*	I _{SC}	[A]	11.20
Open circuit voltage*	V _{OC}	[V]	46.37
Current at maximum power	I _{MP}	[A]	10.89
Voltage at maximum power	V _{MP}	[V]	37.64
Maximum system voltage	V _{SY}	[V]	1000 (IEC)
Weight	M	[kg/lbs]	23.5 / 51.8

* Measurement tolerances: P_{MP} ± 3%; I_{SC}, V_{OC} ± 5% at STC: 1000W/m², 25 ± 2°C, AM 1.5 according to IEC 60904-3. Data given are rated (nominal) values.
IEC 61215:2016; IEC 61730:2016.



Model No. QPM
ID#111220277



20122505620203720

hanwha q cells usa inc.,
300-310 Nexus Drive, Dalton GA 30721, USA

EMAIL service@q-cells.com
WEB www.qcells.com

U.S. Patent No. 8,893,215
(solar cells)

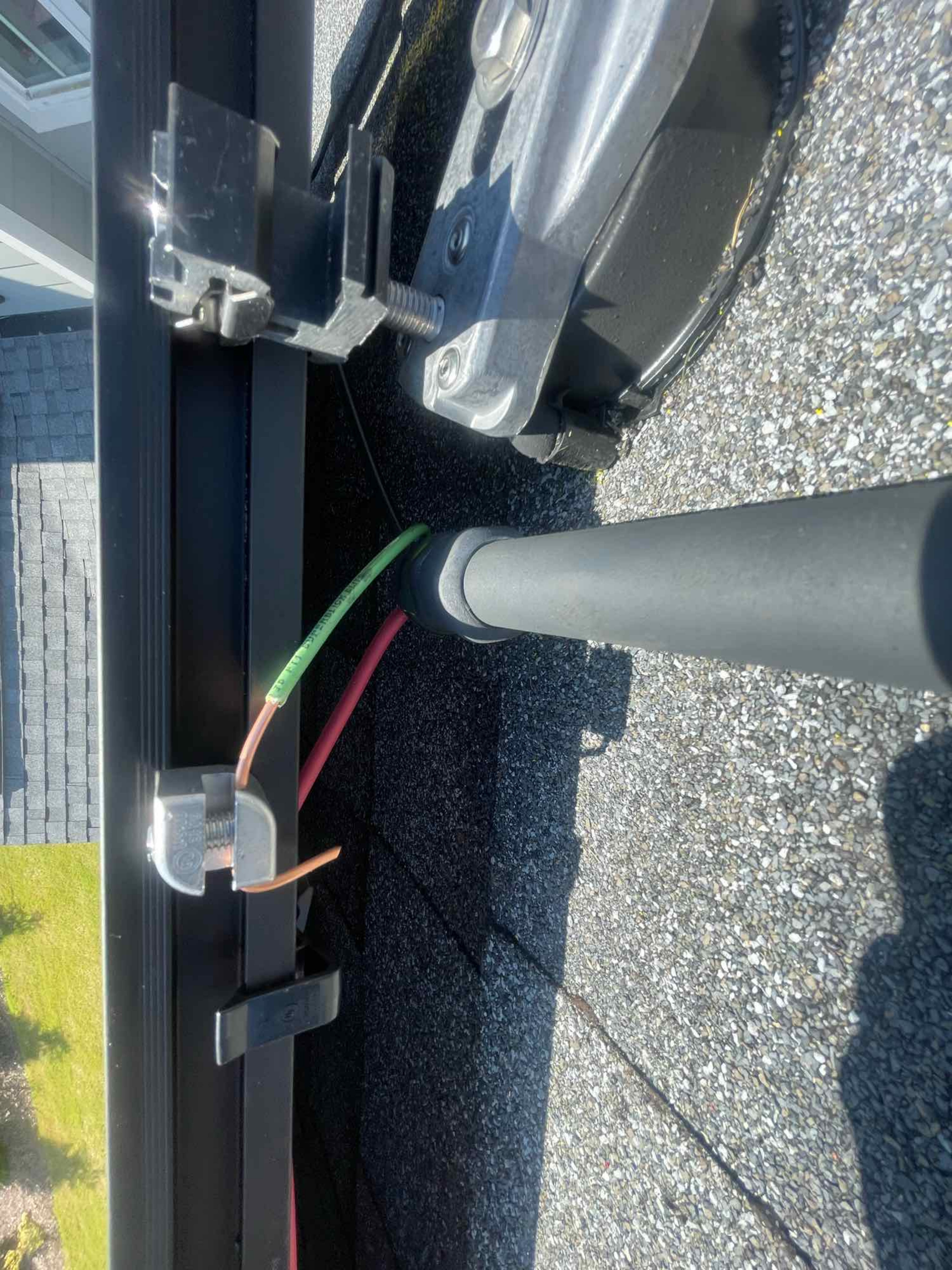
DANGER!
Risque de choc électrique!
NE PAS connecter ou décon-
necter les connecteurs lorsque
le système est en charge.
Consultez le manuel d'installation
et d'utilisation avant installation,
utilisation et entretien du produit.
Fire Rating: Class C/Type 2
Fuse Rating: 20A

DANGER!
Risk of electric shock!
DO NOT connect or disconnect
plug contacts while system is
under load current. Refer to the
Installation and Operation Manual
before installing, operating or
servicing this unit.



Assembled in USA

qcells

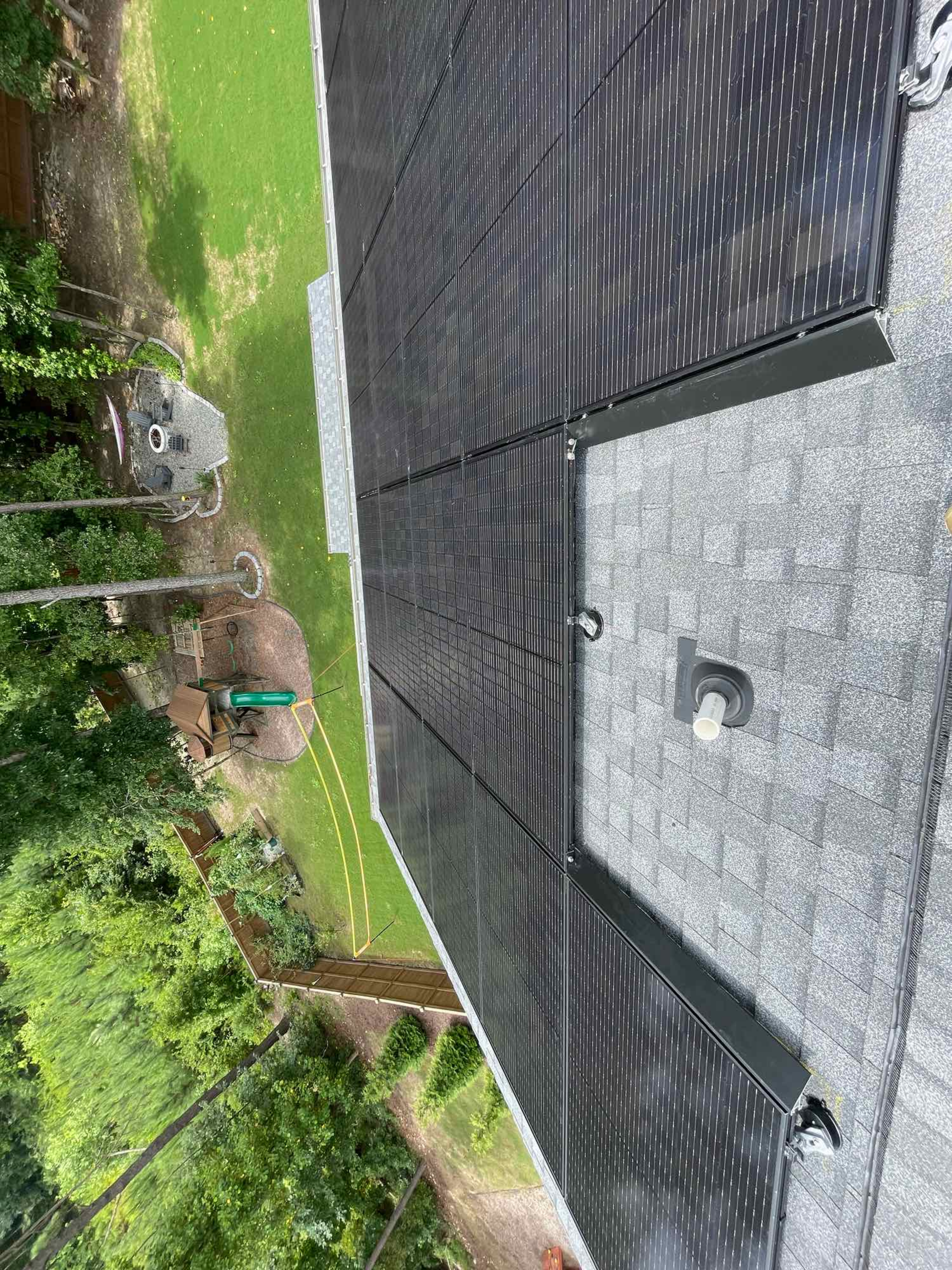




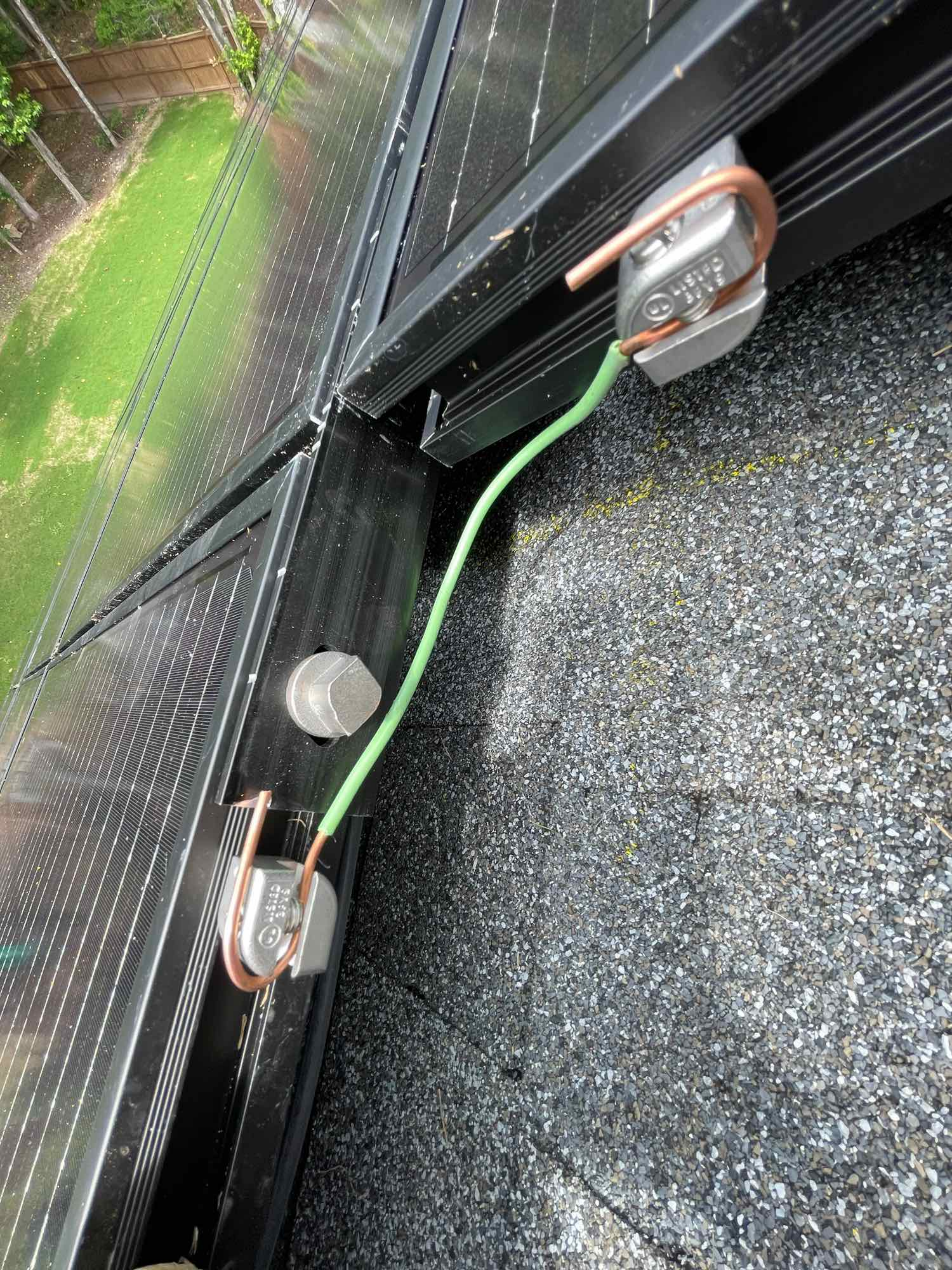














Harnett County
Inspections
Address: _____
Inspector: _____
D-Term Fee: _____ II Locking (Performance Power)



3087931
DFP

**EMERGENCY
DISCONNECT**
DESCONEXIÓN DE EMERGENCIA

CAUTION
THIS PANEL HAS SPLICED FEED-
THROUGH CONDUCTORS.
LOCATION OF DISCONNECT
AT ENERGY STORAGE
BACKUP LOAD PANEL

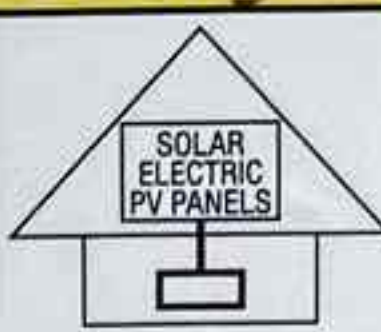
CAUTION
TRI POWER SOURCE
SECOND SOURCE IS
PHOTOVOLTAIC SYSTEM
THIRD SOURCE IS
ENERGY STORAGE SYSTEM

ENERGY STORAGE SYSTEM
ON SITE
LOCATED WITHIN LINE OF SIGHT

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

**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.



EATON
CAT NO. 09E1120000010
500 AMP 150VAC 100% AC
UL 1008-1 Approved
UL 1008-1 Approved

WARNING
DO NOT REMOVE
THIS GROUNDING WIRE
WHILE IT REMAINS CONNECTED
OR RISK OF FIRE OR SHOCK
CONTACT LOCAL CABLE TV

Harnett County
Inspections
Address _____
Inspector _____
☐ Time Rule ☐ Load/Short Term/High Power



D.F.P.
3887931



SERVICE
DISCONNECT

A 1
B 1
A 3
B 3
A 5
B 5
A 7
B 7
A 9
B 9
A 11
B 11

CAUTION
DO NOT ADD
NEW LOADS

CAUTION
DO NOT ADD
NEW LOADS

2 A
B
4 A
B
6 A
B
8 A
B
10 A
B
12 A
B



Eaton
Service Entrance Panel Kit
This kit is designed for use with Eaton's Service Entrance Panels. It includes all the components needed to install the panel, including the main breaker, disconnect switch, and wiring. The kit is easy to install and provides a safe and reliable way to protect your home's electrical system.

NOMINAL ESS VOLTAGE 120/240
MAX AVAILABLE SHORT CIRCUIT FROM ESS 32A
ARC FAULT CLEARING TIME FROM ESS 67ms
DATE OF CALCULATION 07/21/25

⚡ DANGER
HAZARDOUS VOLTAGE. WILL CAUSE
SEVERE INJURY OR DEATH.
DO NOT OPEN WITHOUT THE PROPERLY TRAINED
PERSONNEL. DANGER. PEUT CAUSER
DES LÉSIONS GRAVES OU LA MORT.
NE PAS OUVRIR SANS LA PERSONNEL
BIAISONNÉMENT FORMÉ.
⚡ PELIGRO
VOLTAJE PELIGROSO. CAUSA HERIDAS
SEVERAS O MUERTE.
NO ABRIRE SIN PERSONAL
DEBIDAMENTE ENTRENADO.



DFP
3887931

Eaton
CSR 25k
2 Pole
200 A 240 V ~ 60Hz 40°C
CSB2200N
Style 780307083
Interrupting Capacity
100 kVA 100 A
100 V ~ 30
Terminal
Size
1/2" 1/4" 3/8"
1/2" 3/4" 1"

200

Terminal block with multiple screw terminals.

BACKUP
LOAD CENTER

CAUTION
DO NOT ADD
NEW LOADS



EMERGENCY
DISCONNECT

CONEXIÓN DE EMERGENCIA

CAUTION
THIS PANEL HAS SPICED FEED-
THROUGH CONDUCTORS.
LOCATION OF DISCONNECT
AT ENERGY STORAGE
BACKUP LOAD PANEL.

[illegible]

HOURLINE® Load Center Cover - Cuentas del 1 al 100 de carga
HOURLINE®
 Ampacity Type 2R Enclosure
 Outlets: 150 Amps, 3P, 4 prouts de línea
 Main Rating A
 Volar normal de la línea principal
 See main breaker for service disconnect rating if installed
 Handle in the position shown breaker is **TRIPPED** To reset
 move handle to OFF position, then to ON position
 Remove handles only when circuits installed
 Cover unused circuit breaker openings with fair plates. Order
 the following:
 GCMFP - 6 inch breaker fair plate
 GCMFP - 3 inch breaker fair plate
 To disconnect air line conductors from the supply conductors,
 turn OFF circuit breaker handles marked MAIN or SERVICE
 DISCONNECT
 Volar la capacidad de las desconexión principal y de la
 desconexión si fue instalada.
 La operación en posición intermedia indica que se ha
 disparado el interruptor automático. Para restablecerlo,
 coloque la palanca en la posición de **ABIERTO (OFF)**. Luego,
 vuélvala a colocar en la posición de **CERRADO (ON)**.
 Retire los rebatigos removibles solo si están
 instalados los circuitos.
 Cubra las aberturas si se usará dispositivos automáticos
 con cable de retención. Solicite lo siguiente:
 HOUMFA - Placa de retención del interruptor automático derivado
 GCMFP - Placa de retención del interruptor automático principal.
 Para desconectar todos los conductores de carga de los
 conductores de suministro, coloque la(s) palanca(s) del
 interruptor automático marcado **PRINCIPAL** o
DESCONEXIÓN DE ACOMETIDA en la posición de abajo.

Assembly to go
 with 150
 Amps 3P
 225 IIC

SQUARE D

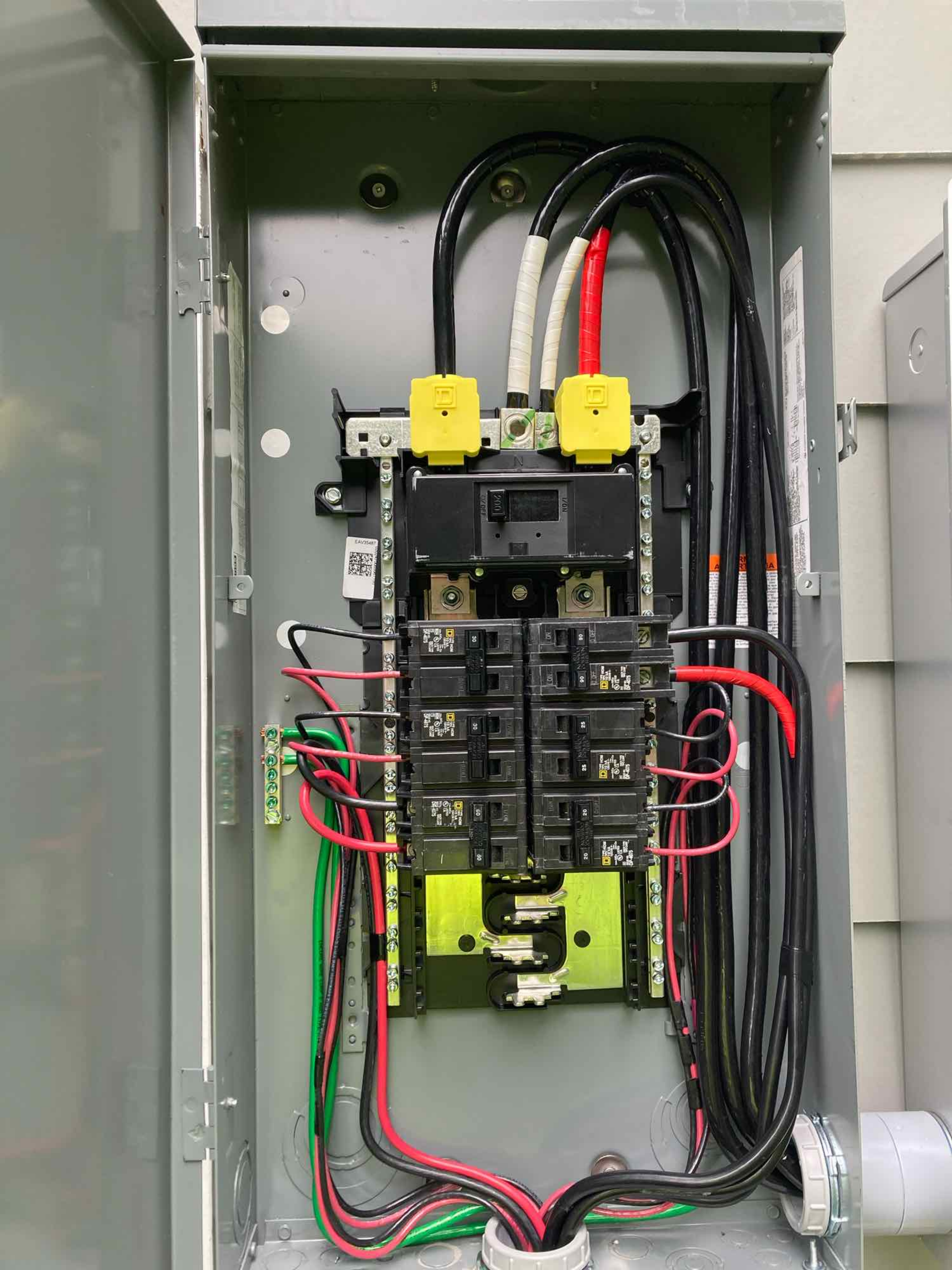
42065-771-01

15

FURNACE IN ATTIC GARAGE SUBPANEL

FURNACE IN CRAWL A/C UNIT 2

TESLA CHARGER A/C UNIT 1





EAV35487



200

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AC PHOTOVOLTAIC
DISCONNECT

ENERGY STORAGE
SYSTEM DISCONNECT

PHOTOVOLTAIC POINT OF
INTERCONNECTION
WARNING: ELECTRIC SHOCK
HAZARD. DO NOT TOUCH
TERMINALS. TERMINALS ON
BOTH THE LINE AND LOAD SIDE
MAY BE ENERGIZED IN THE OPEN
POSITION. FOR SERVICE
DE-ENERGIZE BOTH SOURCE
AND MAIN BREAKER.
PV POWER SOURCE
MAXIMUM AC
OPERATING CURRENT 48 A
MAXIMUM AC
OPERATING VOLTAGE 240 V

NOTICE
PV SYSTEM COMBINER PANEL
DO NOT ADD LOADS
TO THIS PANEL

WARNING
INVERTER OUTPUT
CONNECTION
DO NOT RELOCATE

GATEWAY 3

(P) 1841000-01-E
(S) 0P2200000022H

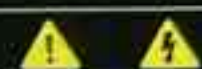
Complies to:
UL 1741, IEEE 1547, IEEE 1547.1

Complies to:
CAN/CSA-22.2 No. 0-10, 100, 101, 102, 103



IEC PROTECTIVE CLASS	CLASS 1
ENCLOSURE TYPE	TYPE 3R, RAINPROOF
OPERATING TEMPERATURE RANGE	-30°C TO 50°C (-22°F TO 122°F)
AC INPUT / OUTPUT	
NOMINAL VOLTAGE	120/240VAC
PHASE	2W + 1B + PE
MAX CONTINUOUS CURRENT	200A
MAX SURGE SHORT CIRCUIT CURRENT	25kA*
GRID FREQUENCY	60Hz

*SEE INSTALLATION MANUAL FOR MAINS, MAIN AND BRANCH
BREAKER COMBINATIONS



SEE DOCUMENTATION
FOR ADDITIONAL
SAFETY INFORMATION

CAUTION: RISK OF ELECTRIC SHOCK. MULTIPLE
VOLTAGE SOURCES TERMINATED WITHIN. DISCONNECT
EACH CIRCUIT BEFORE SERVICING. REFER SERVICING TO
QUALIFIED PERSONNEL.

WARNING: ISOLATE AT SUPPLY AUTHORITY SOURCE
BEFORE ENTERING THIS COMPARTMENT.

ATTENTION: RISQUE DE CHOQUE ELECTRIQUE.
PLUSIEURS SOURCES DE TENSION SONT CONNECTEES A
L'INTERIEUR DE CET EQUIPEMENT. CHAQUE CIRCUIT
DOIT ETRE DECONNECTE INDIVIDUELLEMENT AVANT
INTERVENTION. LA MAINTENANCE DOIT ETRE
EFFECTUEE PAR DU PERSONNEL QUALIFIE.

AVERTISSEMENT: ISOLER A LA SOURCE D'ALIMENTATION
OU DISTRIBUTEUR AVANT D'OUVRIR CE COMPARTIMENT.

SUITABLE FOR USE WITH INTERCONNECTED PARALLEL
ELECTRIC POWER PRODUCTION SOURCES

SUITABLE FOR USE AS SERVICE EQUIPMENT

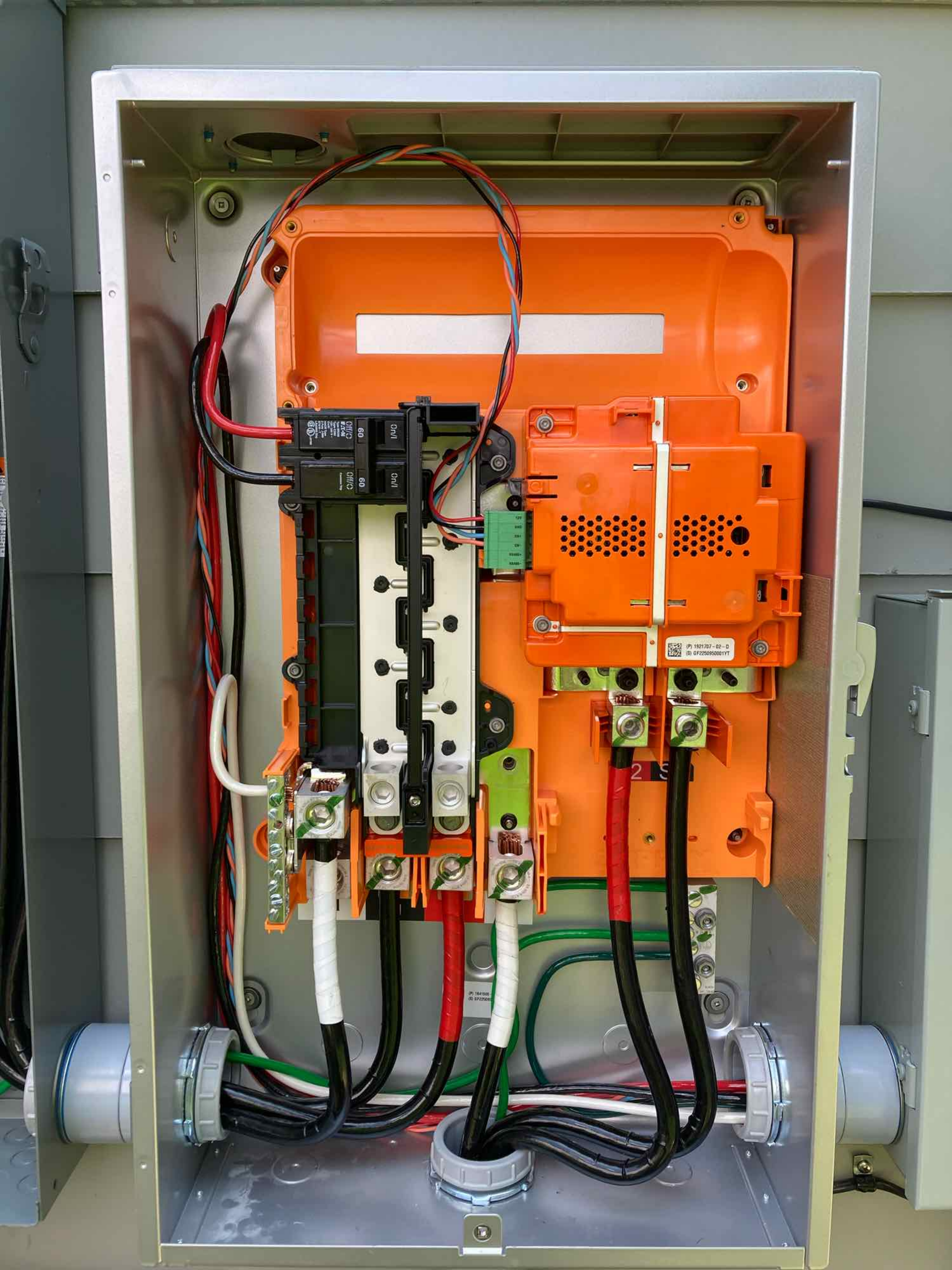
CLASS CUL PANELBOARD

TESLA

TESLA, INC.
SOUTH PARK AVENUE
SOUTH PLAZA, 11th FLOOR, 11th
FLOOR, 11th FLOOR, 11th FLOOR
WWW.TESLA.COM

PCS Controlled Current Setting: 160 A

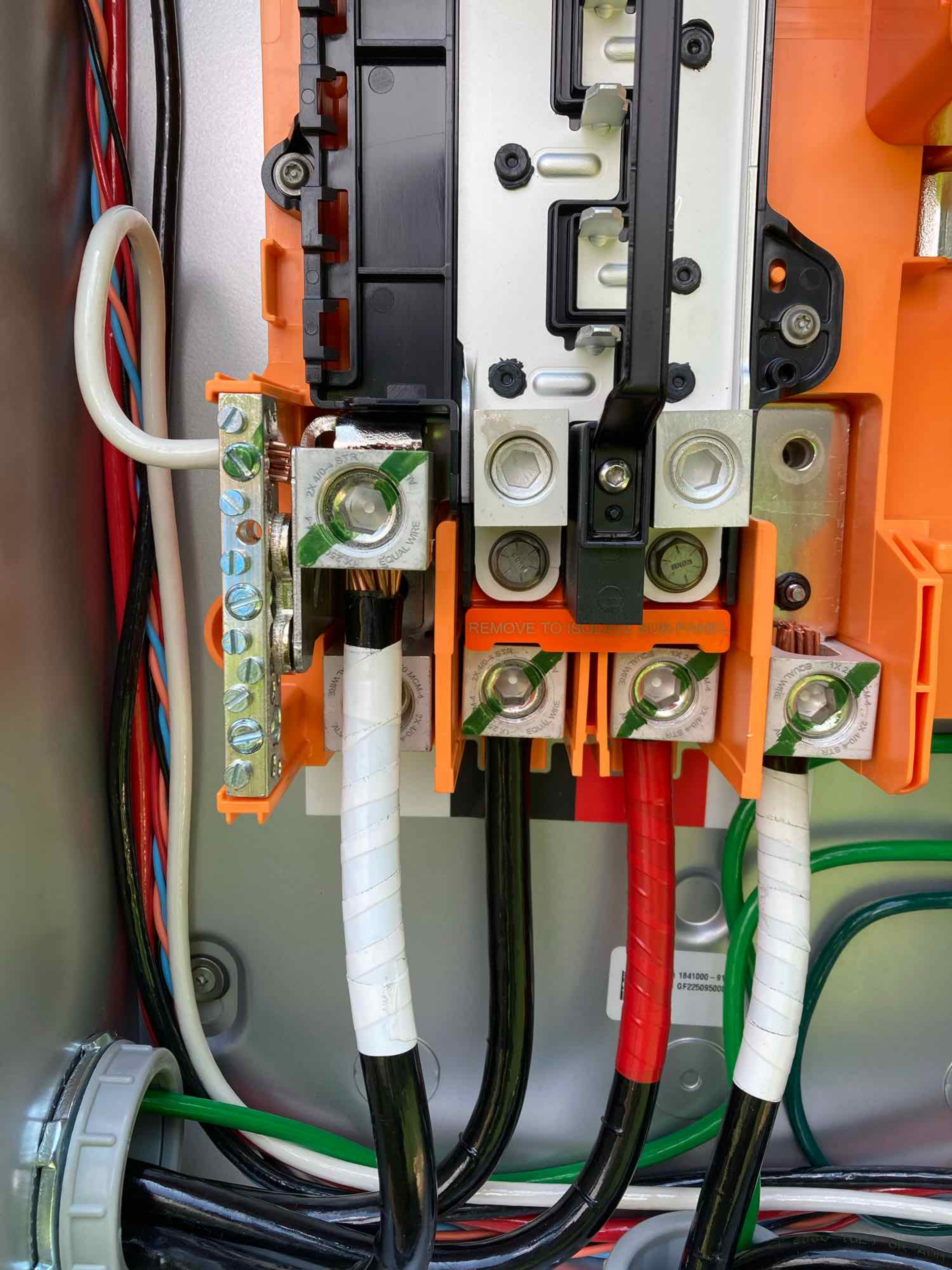
The maximum output current for this
system towards the main panel is controlled
electronically. Refer to the manufacturer's
instructions for more information.



60 0n/I
60 0n/I

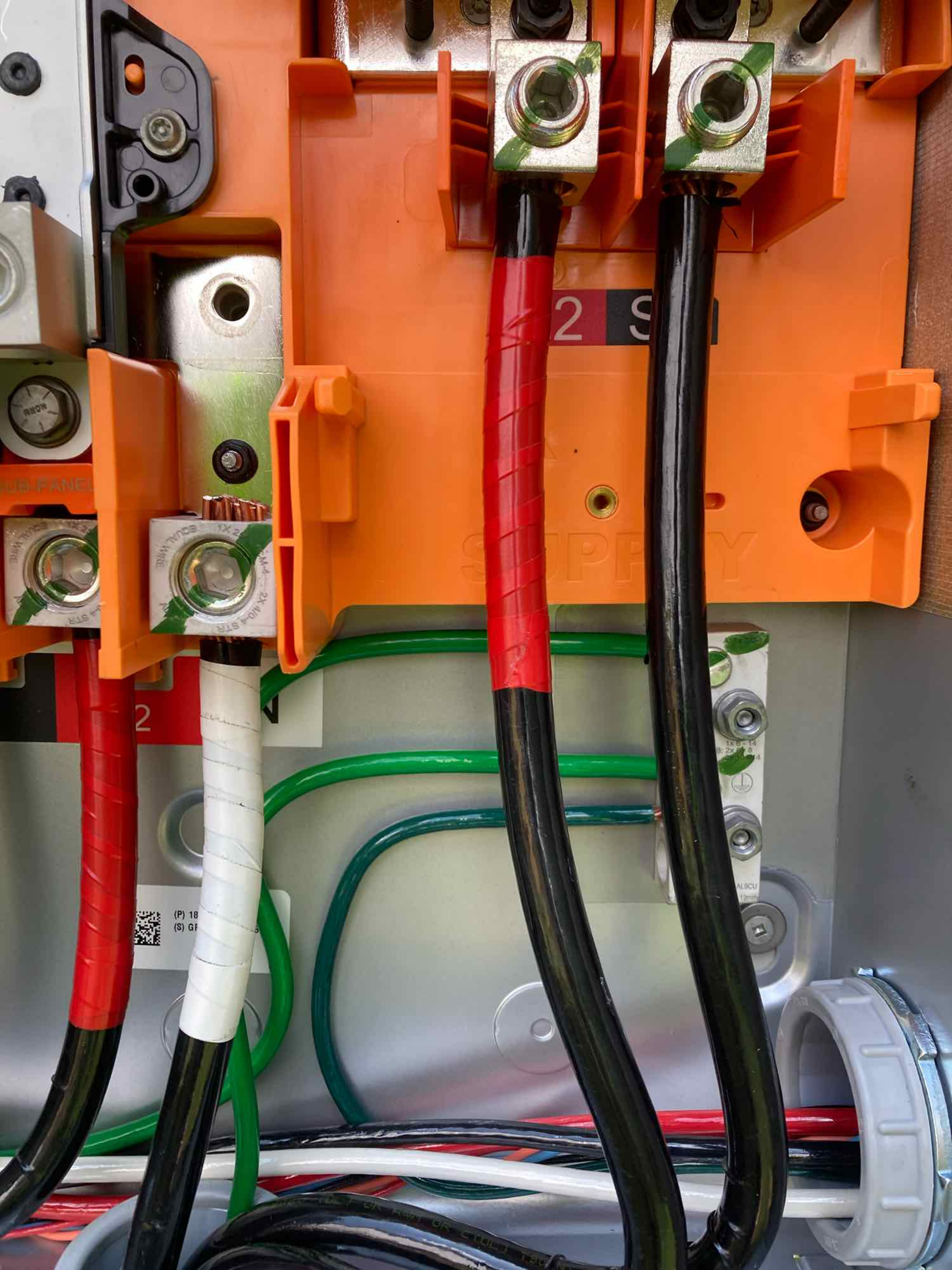
(P) 1921707-02-D
(S) GF2250950001YT

(P) 1841008
(S) GF225081



REMOVE TO ISOLATE SUB-PANEL

1841000 - 91
GF22509500



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 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 U.S.A.

⚠ DANGER
HAZARDOUS VOLTAGE. WILL CAUSE SEVERE INJURY OR DEATH.
• Never operate switch with cover open.
• Turn OFF power ahead of switch before disassembly.
• Inside: Replace all parts. Close cover before 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



**AC PHOTOVOLTAIC
DISCONNECT**

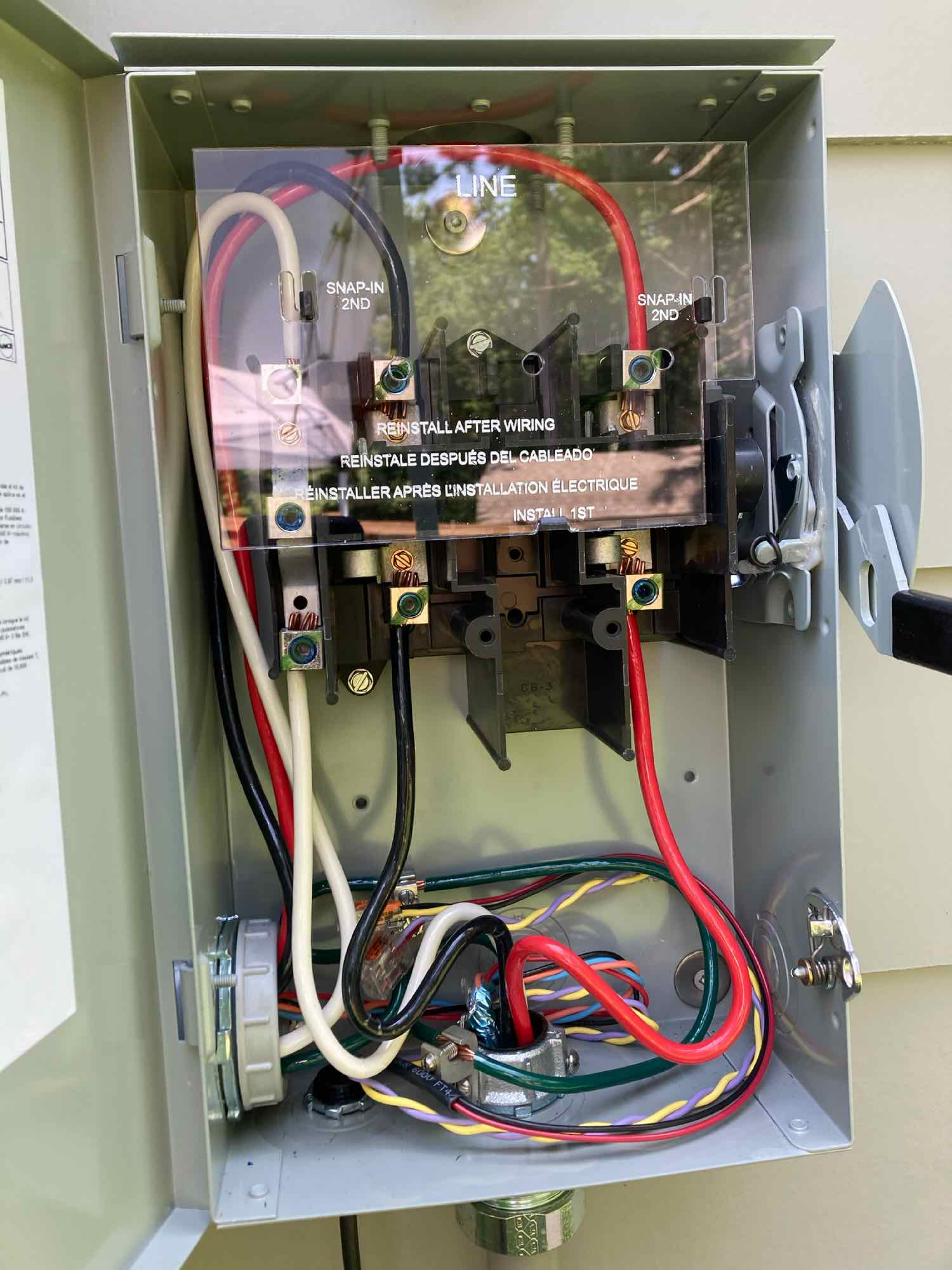
**ENERGY STORAGE
SYSTEM DISCONNECT**

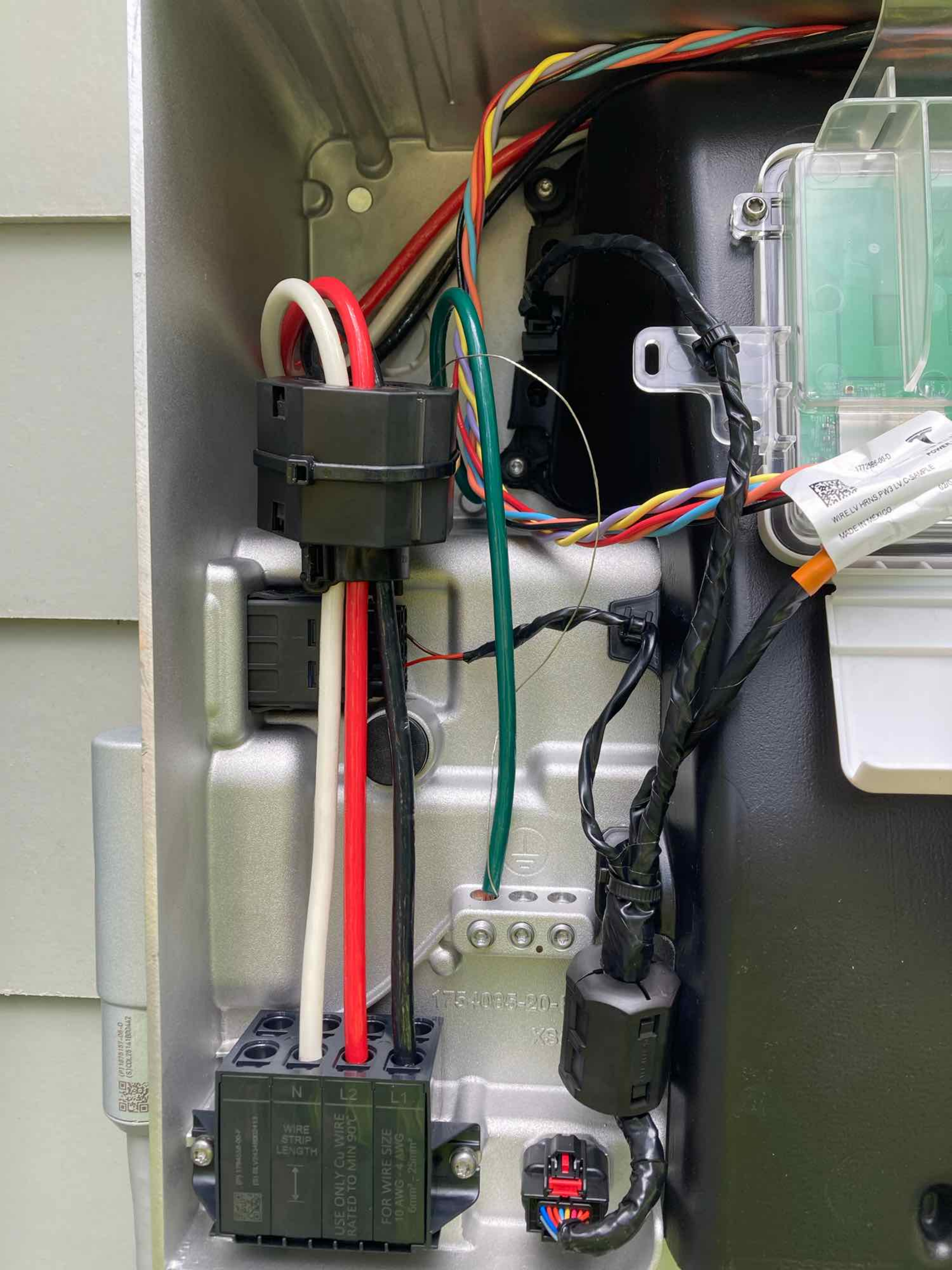
**PHOTOVOLTAIC POINT OF
INTERCONNECTION**
**WARNING: ELECTRIC SHOCK
HAZARD. DO NOT TOUCH
TERMINALS. TERMINALS ON
BOTH THE LINE AND LOAD SIDE
MAY BE ENERGIZED IN THE OPEN
POSITION. FOR SERVICE
DE-ENERGIZE BOTH SOURCE
AND MAIN BREAKER.**

PV POWER SOURCE
MAXIMUM AC OPERATING CURRENT 48 A
MAXIMUM AC OPERATING VOLTAGE 240 V

ON
I

OFF
O





(P) 175 4095-20-X8
(S) 00029 14 1000442

175 4095-20-X8

WIRE STRIP LENGTH

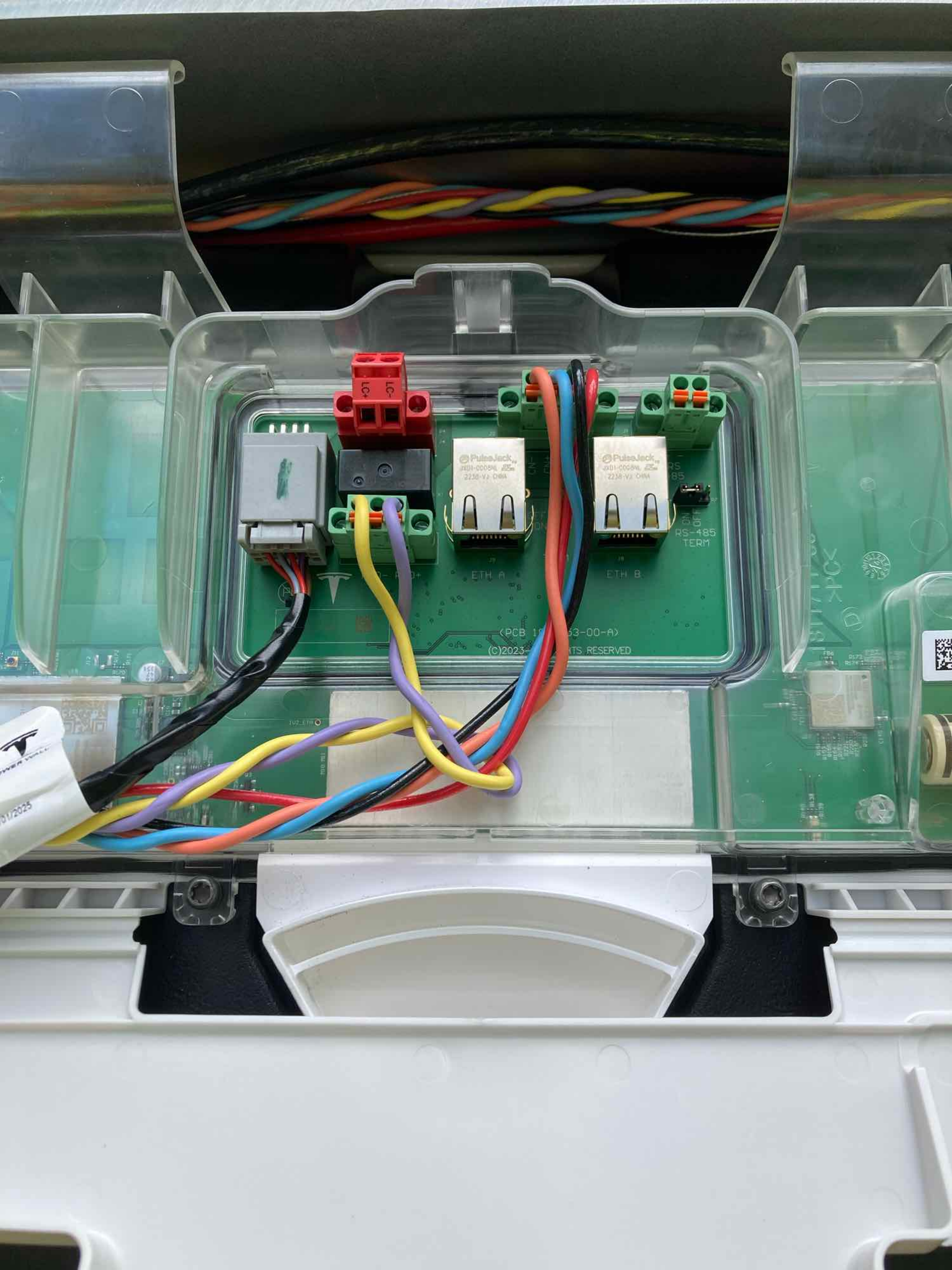
USE ONLY CU WIRE
RATED TO MIN 90°C

FOR WIRE SIZE
10 AWG - 4 AWG
6mm² - 25mm²

177586-00-0

WIRE LV HRNS PW3 LV G-SH/PLE

MADE IN MEXICO



LC LC

PulseJack
RJ45-000896, RJ45
2238-V2 0896

PulseJack
RJ45-000896, RJ45
2238-V2 0896

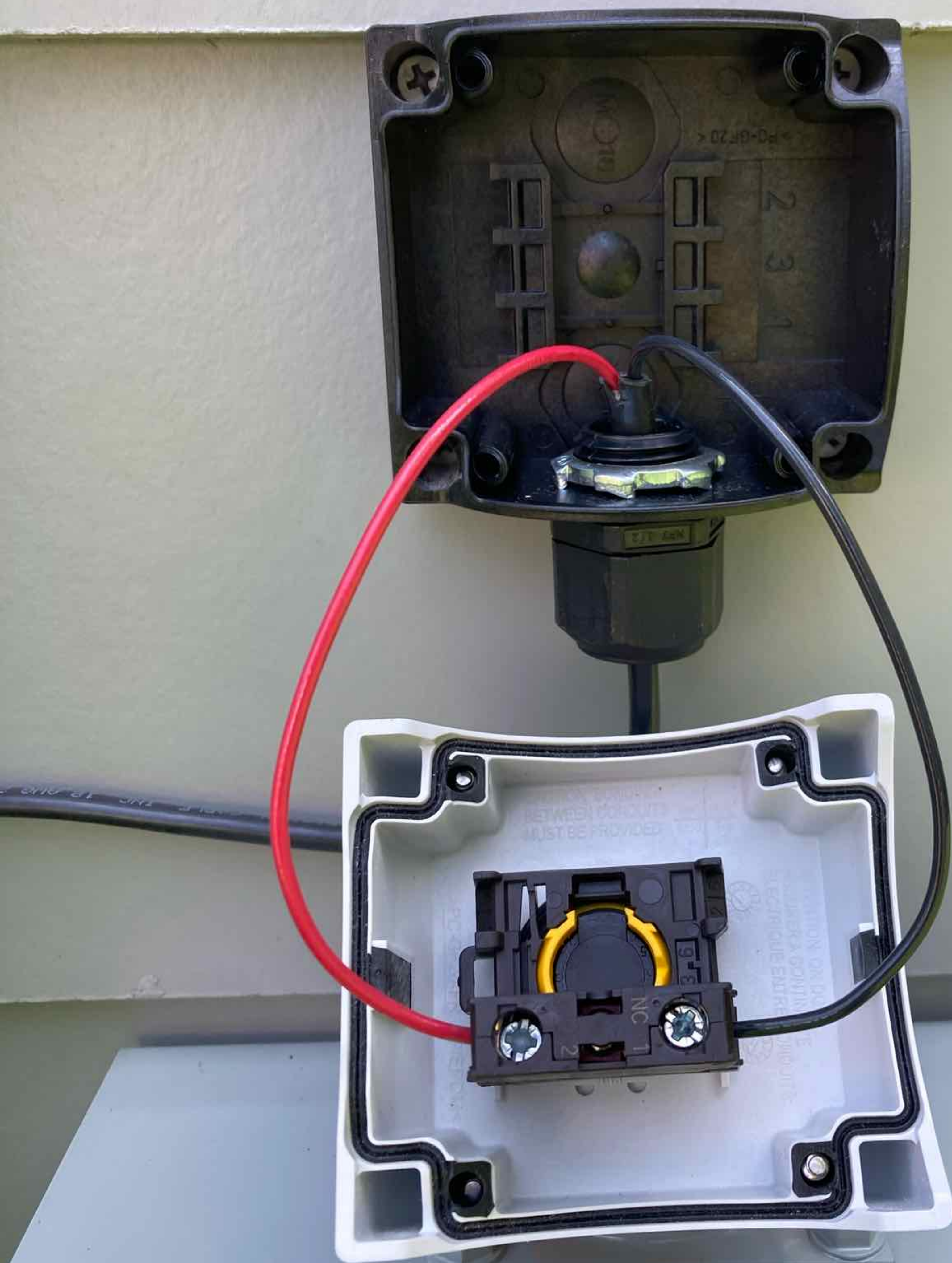
RS-485
TERM

(PCB 100-53-00-A)
(C)2023-... RIGHTS RESERVED

POWER VOLTAGE
01/2023

RAPID SHUTDOWN
SWITCH FOR
SOLAR PV SYSTEM









CAT. NO. CMB12128200BTS
200 AMPS 120/240 VOLTS AC
Meier Equipment Group (MEG) Approved
FURTHER INSTRUCTIONS INSIDE
AUTRES INSTRUCTIONS A L'INTERIEUR
INSTRUCCIONES ADICIONALES EN EL INTERIOR
30-42813-0
REV. 0

