

Designated Competent Person - fill out this portion of the form

Nearest Urgent Care (circle one)	Central Pennell Hospital 215 Brightwater Dr, Hingham, MA 01946
Nearest Emergency Room:	
Safety Contact:	Henry Mall (828) 996-5514
Additional Notes:	

**\*In Case of Emergency, call 911 immediately and proceed to the nearest emergency room\***

For non-emergency injuries, please report the injury to your manager, follow the Injury Standard Operating Procedures - Notify managers.

Workers Compensation Provider: Berkshire Hathaway Homestate Companies  
Berkshire Hathaway Address: PO Box 987716, San Francisco CA 94118  
Berkshire Hathaway Fax Number: (800) 661-6584  
Berkshire Hathaway Policy Number: BLWC225029 (OR, FL) - BLWC225838 (all other states)  
Blue Cross Fax Number: (855) 478-408

Report Injury



### Job Hazard Analysis



**BLUE RAVEN**

Customer Name: **Quinn's Avenida**

Address: **900 Pacific Ave  
Berkeley, CA 94704**

Installation Date:  
**9/29/23**

Designated Competent Person:  
**Leo**

Activity	Hazards	Steps to Mitigate	Confirm
Climbing Ladders	Fall Hazards	<input checked="" type="checkbox"/> Ladder stabilizer/Outrigger installed <input checked="" type="checkbox"/> Secured with ladder strap <input checked="" type="checkbox"/> Inspected for damage <input checked="" type="checkbox"/> Set up at a 4:1 Ratio	Initial <b>Y.B</b>
Working over E'	Falls from roofs Falls from attics	<input checked="" type="checkbox"/> Harness/Rope/Anchor/Tools inspected <input checked="" type="checkbox"/> Anchor points installed correctly <input checked="" type="checkbox"/> 100% tie off over E' <input checked="" type="checkbox"/> Fall restraint in use <input checked="" type="checkbox"/> Fall arrest in use <input checked="" type="checkbox"/> Potential swing falls identified	Initial <b>Y.B</b>
Work in high 85°-99° to extreme 100°+ heat	Heat stress/heat exhaustion/heat stroke Sunburn	<input checked="" type="checkbox"/> Awareness - buddy system/ breaks when necessary <input checked="" type="checkbox"/> Hydration (water available) <input checked="" type="checkbox"/> Electrolytes	Initial <b>Y.B</b>
Working within the RAZ	Struck by hazard (falling objects)	<input checked="" type="checkbox"/> Everyone within RAZ wearing hardhats <input checked="" type="checkbox"/> All four sides of RAZ enclosed	Initial <b>Y.B</b>
Electrical work	Electrical shock/Electrocution Arc flash	<input checked="" type="checkbox"/> Arc flash PPE: CAT1 (shirt, pants, safety glasses, face shield, boots, earplugs, electrically insulated gloves within 12" of exposed live components; CAT1 arc flash gloves within 3' of electrical panel)	Initial <b>Y.B</b>
Other/general hazards	Struck by flying objects (nails) Cut hazards Ergonomic hazards (strains)	<input checked="" type="checkbox"/> Safety glasses worn at all times <input checked="" type="checkbox"/> Cut & gloves worn at all times <input checked="" type="checkbox"/> Proper lifting techniques/ team lifting	Initial <b>Y.B</b>
Other Tasks	Other hazards	<input type="checkbox"/> Steps to mitigate (specify)	Initial

Crew Members	
Name	Signature
Crew Lead: <b>Francis Buitrago</b>	<i>[Signature]</i>
<b>Michael Bryan</b>	<i>[Signature]</i>
<b>Erico</b>	<i>[Signature]</i>
<b>Steve Johnson</b>	<i>[Signature]</i>



# REC

## REC Alpha Pure-R Series

### REC420VA Pure-R

#### Serial Number: FDB-7005080154

Phone : +85 3400 8039  
www.recgroup.com

Power Output (Pmax)

420 W

Watt Class: Sorting

0v +10 W

Power Production Tolerance

+/- 3 %

Rated Voltage (Vrmp)

50.0 V

Rated Current (Irrmp)

8.40 A

Open Circuit Voltage (Voc) (+/- 3%)

59.4 V

Short Circuit Current (Isc) (+/- 3%)

8.89 A

Maximum System Voltage (Vsys)

1000 V

Maximum Series Fuse (DC) (UL)

25 A

Maximum Series Fuse (DC) (IEC)

25 A

Design Load

+4000 / -2000 Pa\*

Maximum Test Load

+7000 / -4000 Pa\*

\*Based on STC: 1000 W/m<sup>2</sup>AM 1.5, wind speed 25 m/s



ETL  
ETL LISTED  
UL 2603, 2607, 2608  
CLASSIFIED  
CLASSIFICATION: 112  
CLASSIFICATION: 112  
CLASSIFICATION: 112



DVE  
REC 01010000  
REC 01010000



REC is a registered trademark of REC Solar Energy Co., Ltd. All rights reserved. REC Solar Energy Co., Ltd. is a registered company in Singapore. REC Solar Energy Co., Ltd. is a registered company in Singapore. REC Solar Energy Co., Ltd. is a registered company in Singapore.

Manufactured on 05/05/2023



Warning electrical hazard. This device produces electricity when exposed to light.

**CAUTION: DO NOT DISCONNECT UNDER LOAD**

Advertisement: Risque de choc électrique. Ce module solaire produit de l'électricité lorsqu'il est exposé à la lumière.

**ATTENTION: NE PAS DECONNECTER SOUS TENSION**

For this connection, use min. 4 mm<sup>2</sup> AWG12 AWG14 UL PV wires isolated for a min. of 90°C

Made in Singapore by REC Solar Energy Co., Ltd.

20 TUAL SOUTH AVENUE 14, SINGAPORE 627312, SINGAPORE

Customer Contact: REC Solar Energy Co., Ltd.

Branch: REC Solar Energy Co., Ltd.

For other regions see: www.recgroup.com/usa





# FLASHKIT SFM SLIDER S

004271D

FLASHKIT SFM SLIDER S COMP DRK

DARK Pack Size : 10

Factory Code: 5-1



WO/PO# 0045416-00 Manufacture date: 21/0/22-31/10/22





**UNIRAC SFM INFINITY RACKING**  
FOR MOUNTING AND GROUNDING SOLAR SYSTEMS  
UL1703, UL2703







# 30MM SPLICE 6.5" SFM

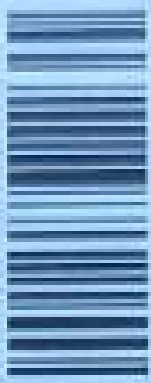
.COM

# UNIRAC

BETTER SOLAR STARTS HERE



## 253010U



PACKAGE QTY: 10 EA

WU/PO#: 0045726-01

MANUFACTURE DATE: 08/2022

FACTORY CODE: 026A



[unirac.com/boards](http://unirac.com/boards)

California Proposition 65  WARNING: Cancer & Reproductive Harm in [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



- • • Flashing green when software upgrade is in progress.
- • • Flashing amber when IQ Gateway is booting up.

On Power-Up, LEDs can take up to 30 seconds to glow. While restoring, wait for 2 minutes after powering off the IQ Gateway, before powering it back on.



# ENPHASE.

**IQ Combiner 4**  
**Photovoltaic**  
**Combiner Box**  
**X2-IQ-AM1-240-4**  
**IEEE1547:2018 COMPLIANT**



**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.

**202319120058**

S/N: **202319120058**

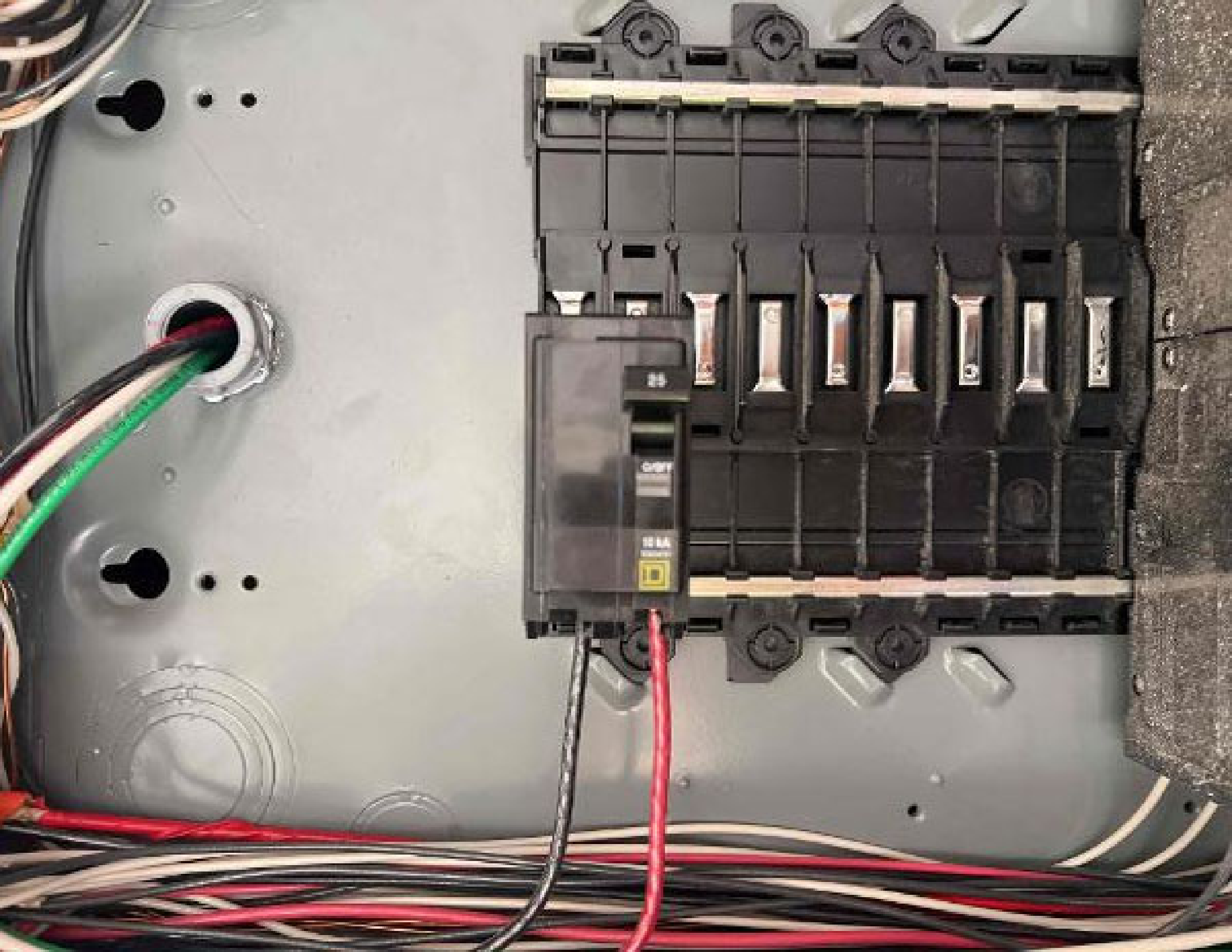
P/N: **883-00353 15**

**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)	
	6-4 AWG	3.0 Nm (27 lb-in)	
60A Circuit Breaker only	4-1/0 AWG	5.0 Nm (45 lb-in)	
	14-10 AWG	2.25 Nm (20 lb-in)	
IQ Gateway Breaker	Large screw	2-1/0 AWG	5.6 Nm (45 lb-in)
		14-3 AWG	5.1 Nm (45 lb-in)
	Small screw	6 AWG	3.6 Nm (32 lb-in)
Neutral and ground	8 AWG	2.6 Nm (23 lb-in)	
		10-14 AWG	2.3 Nm (20 lb-in)
	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.

For IQ  
Form



















 **ENPHASE.**

**IQ7X**

For full and complete installation instructions  
and safety information, refer to  
the manual provided with the device.

For more information, visit  
[www.enphase.com](http://www.enphase.com)  
or call 1-800-451-7343.  
© 2014 Enphase Systems, Inc.  
All rights reserved. ENPH07X-0100-0001

For information on the proper  
installation of this device, please refer  
to the manual provided with the device.  
For more information, visit  
[www.enphase.com](http://www.enphase.com)



**WARNING:** This device is not to be used in wet or damp locations.

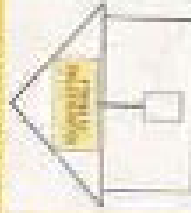
**ATTENTION:** This device is not to be used in wet or damp locations.



INSTALLATION

**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



**PHOTOVOLTAIC SYSTEM**

**⚠️ AC DISCONNECT ⚠️**

MAIN AC INPUT OVERCURRENT PROTECTION DEVICE

**⚠️ WARNING ⚠️**

**DUAL POWER SUPPLY SOURCES: UTILITY GRID AND PV SOLAR ELECTRIC SYSTEM**

**⚠️ WARNING ⚠️**

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

**⚠️ WARNING ⚠️**

THIS EQUIPMENT DOES NOT MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) ARTICLE 705 FOR RATED PHOTOVOLTAIC SYSTEMS. THIS EQUIPMENT IS NOT APPROVED FOR USE IN PHOTOVOLTAIC SYSTEMS.

**⚠ WARNING**

**POWER SOURCE OUTPUT CONNECTION.  
DO NOT RELOCATE THIS OVERCURRENT DEVICE.**

**⚠ WARNING ADVERTENCIA AVERTISSEMENT**

Este dispositivo es un dispositivo de protección de sobrecorriente y debe instalarse en el punto de salida de potencia de la fuente de alimentación de la carga. No debe instalarse en un punto de salida de potencia de una fuente de alimentación de la carga que no sea la salida de potencia de la carga. No debe instalarse en un punto de salida de potencia de una fuente de alimentación de la carga que no sea la salida de potencia de la carga. No debe instalarse en un punto de salida de potencia de una fuente de alimentación de la carga que no sea la salida de potencia de la carga.

Este dispositivo es un dispositivo de protección de sobrecorriente y debe instalarse en el punto de salida de potencia de la carga. No debe instalarse en un punto de salida de potencia de una fuente de alimentación de la carga que no sea la salida de potencia de la carga. No debe instalarse en un punto de salida de potencia de una fuente de alimentación de la carga que no sea la salida de potencia de la carga. No debe instalarse en un punto de salida de potencia de una fuente de alimentación de la carga que no sea la salida de potencia de la carga.

Cet appareil est un dispositif de protection contre les surintensités et doit être installé au point de sortie de puissance de la charge. Il ne doit pas être installé à un point de sortie de puissance d'une source d'alimentation de la charge qui n'est pas la sortie de puissance de la charge. Il ne doit pas être installé à un point de sortie de puissance d'une source d'alimentation de la charge qui n'est pas la sortie de puissance de la charge. Il ne doit pas être installé à un point de sortie de puissance d'une source d'alimentation de la charge qui n'est pas la sortie de puissance de la charge.



41	39	37	35	33	31	29	27	25	23	21	19
---	---	---	---	---	---	---	---	---	---	---	---
4	5	6	7	8	9	10	11	12	13	14	15
Solar	Solar	---	---	---	---	---	---	---	---	---	---
24	23	22	21	20	19	18	17	16	15	14	13
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---

*Handwritten notes:*  
 24: 24  
 23: 23  
 22: 22  
 21: 21  
 20: 20  
 19: 19  
 18: 18  
 17: 17  
 16: 16  
 15: 15  
 14: 14  
 13: 13



PHOTOVOLTAIC SYSTEM  
⚠️ AC DISCONNECT ⚠️

RATED AC OUTPUT CURRENT  $\frac{100}{100}$  A  
NOMINAL OPERATING AC VOLTAGE  $\frac{240}{240}$  V

⚠️ **WARNING**

PHOTOVOLTAIC SYSTEM  
COMBINER PANEL

DO NOT ADD LOADS

⚠️ **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  
AMPLACITY OF BUSBAR.

⚠️ **WARNING**

THIS EQUIPMENT IS NOT INTENDED FOR  
POWER TO THE LOADS OF MULTIPLE  
PHASES. THIS EQUIPMENT SHALL BE  
INSTALLED IN ACCORDANCE WITH ALL  
APPLICABLE ELECTRICAL CODES AND  
MANUFACTURER'S INSTRUCTIONS.

**SHEET INDEX**  
101 - CONDUIT  
102 - RACEWAY  
103 - WIRING  
104 - PANELS  
105 - EQUIPMENT  
106 - TERMINALS  
107 - GROUNDING  
108 - LABELING  
109 - IDENTIFICATION  
110 - TESTING  
111 - RECORDS

**UTILITY COMPANY**  
Duke Energy NC  
FISHERY SQUARE  
Durham, NC 27701  
800-448-7243

**PHOTOVOLTAIC SYSTEM  
AC DISCONNECT**

RATED AC OUTPUT CURRENT **A**  
NOMINAL OPERATING AC VOLTAGE **V**

**GENERAL DUTY SAFETY SWITCH INTERRUPTOR BE SECURED BY SERVICE GENERAL**

**⚠ DANGER | PELIGRO**  
RISK OF ELECTRICAL SHOCK OR FIRE. ALWAYS DEENERGIZE AND LOCK/TAG BEFORE WORKING ON THIS EQUIPMENT.

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

**WARNING**  
RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

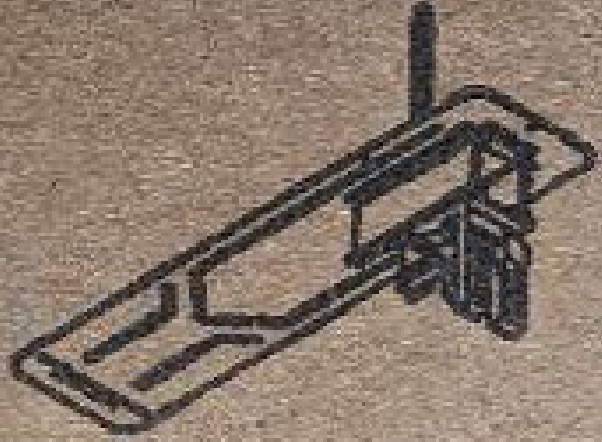
POWER TO THIS BUILDING IS ALSO SUPPLIED FROM MAIN DISTRIBUTION  
LITERATURE DISCONNECT LOCATED  
DANGER: ASP











FLASHKIT SFM TRIM S



004201D



FLASHKIT SFM TRIM S COMP DARK

Pack Size : 10

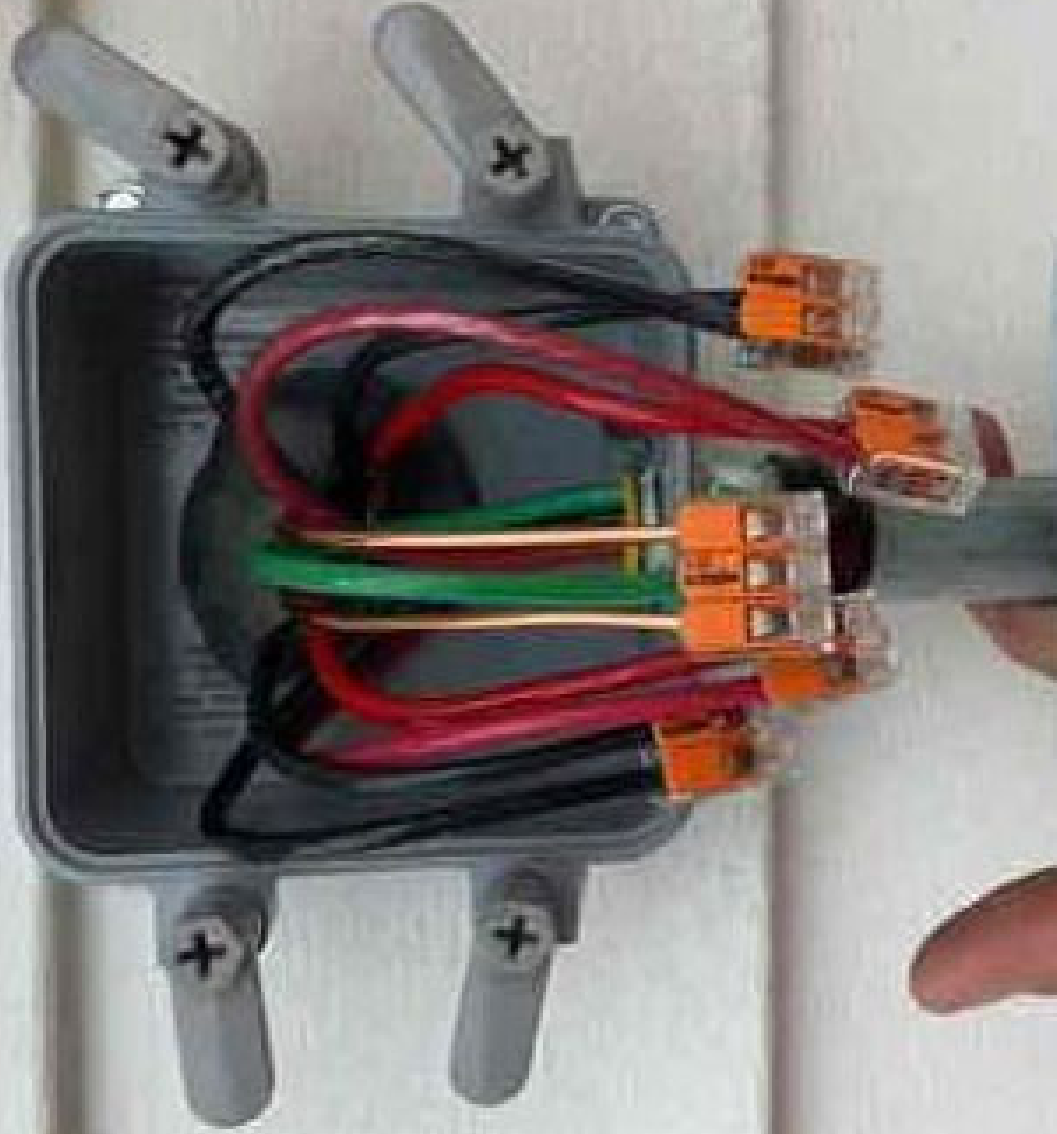
Factory Code: 5-1



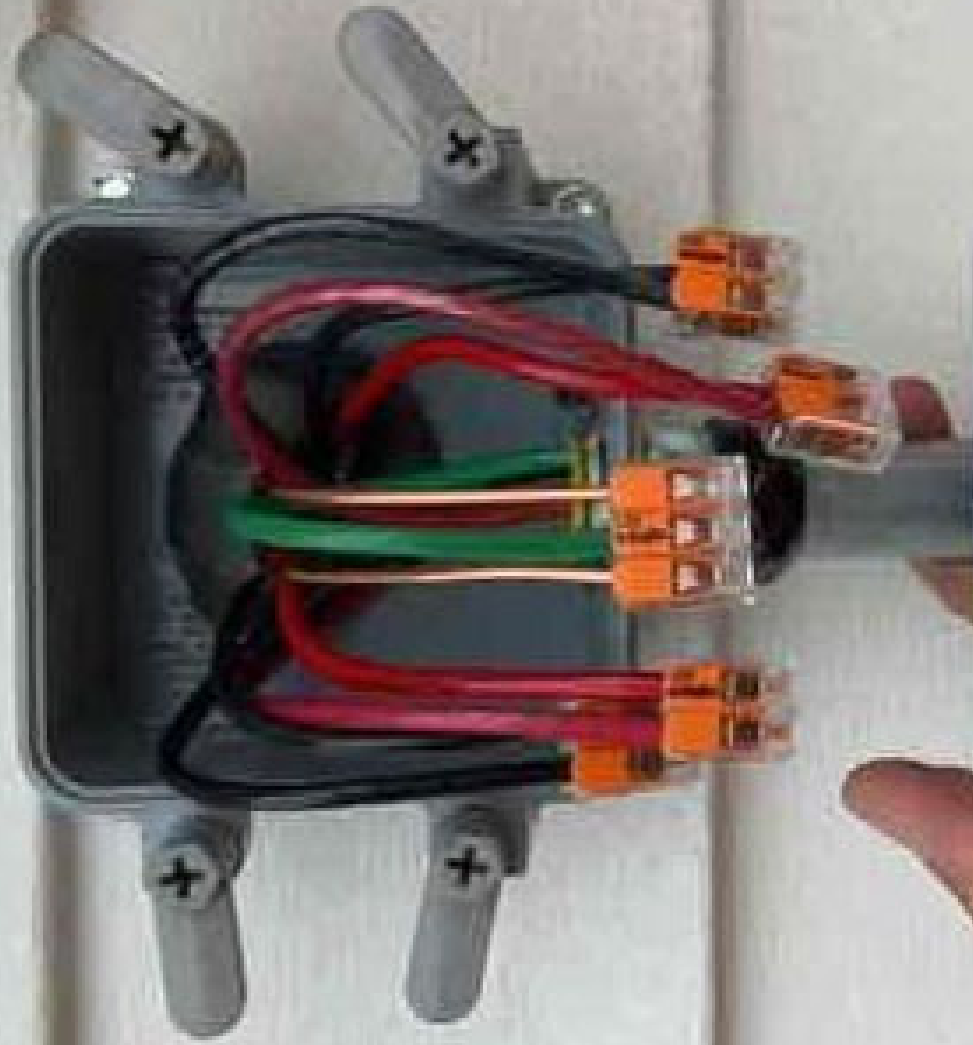
8 10039 36212 9

WO/PO# 0045324-00 Manufacture date: 12/20/21-1/20/22





DOMINIC  
BLUENOSE  
399 KOTARO AVE.  
BUNKER HILL  
Elec. Mitchell  
Noguyen



Dominic  
Mivarado  
399 Komaro Ave.  
Buntonel NC  
Elec. Mithunah  
Nguyen























Version

02.03.165

Last Reported

164

Security Version

02.03.170

## IQ Gateway Connectivity

Connected to Enterprise Cloud

## Power Production

Power production is disabled

Pr

Top

Co

Top

## Grid Profile

IEEE 1547 Default 2015 (1.0.1)

GRID PROFILE PROFILE

## Powerline Scan (Auto)

Powerline Scan (Auto) is disabled. To activate, go to Settings > AC Settings.

With powerline scan for remote networks, it is able to find nearby meters.



Scan completed

12 Meters found : 15/15

Done

### Unsynced Items

Media

0

Project

0

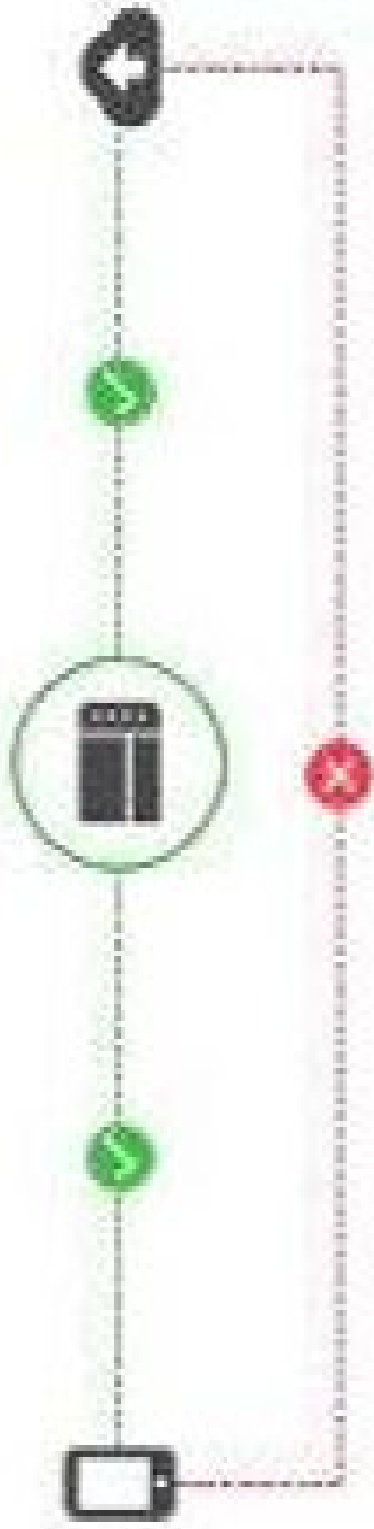
### Sync Settings

Sync on Wifi only

OFF

[Having trouble syncing?](#)





IQ Gateway successfully connected to Ephase Cloud and Installer Toolkit

### IQ Gateway Connectivity status



Wi-Fi

192.168.5.100

Connected >



Ethernet



Cellular

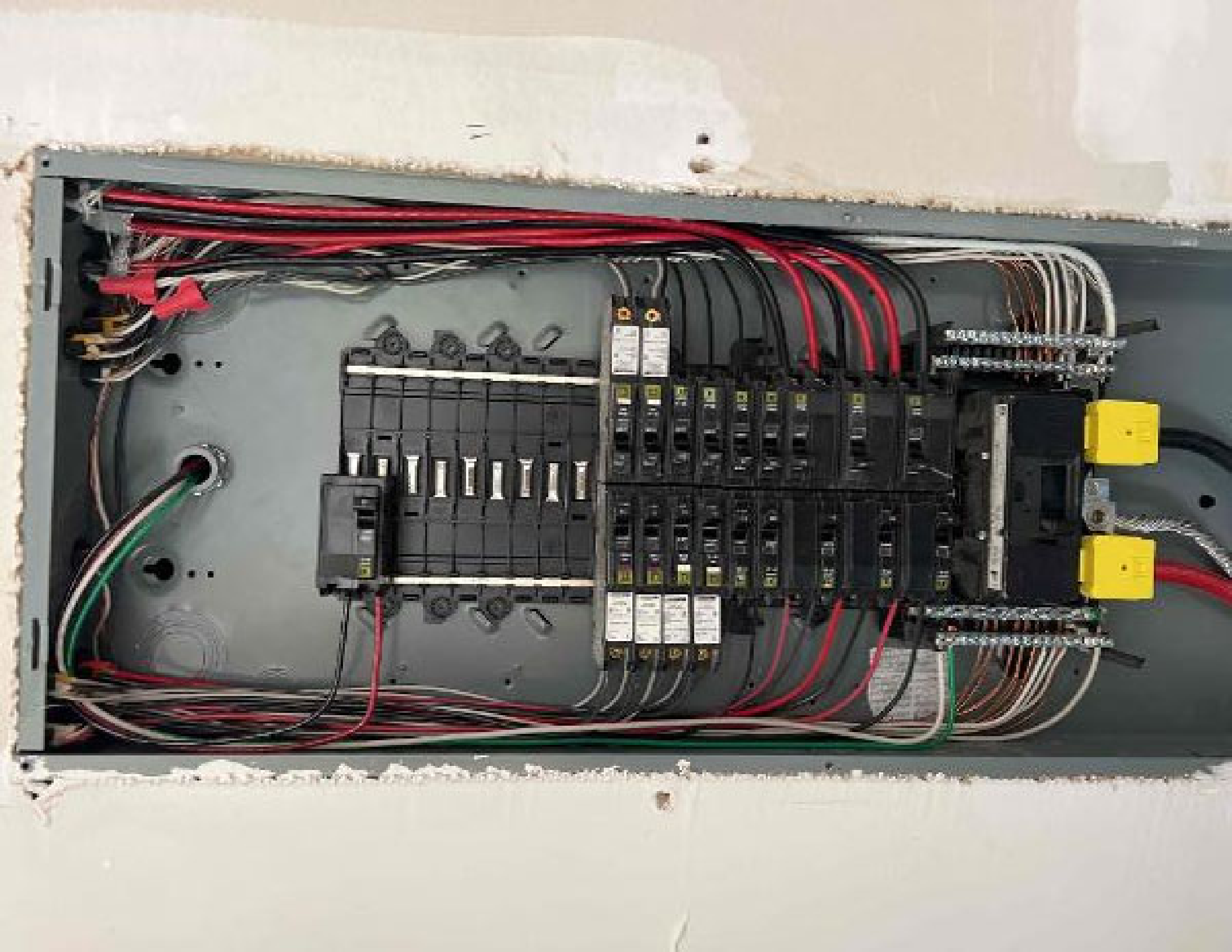


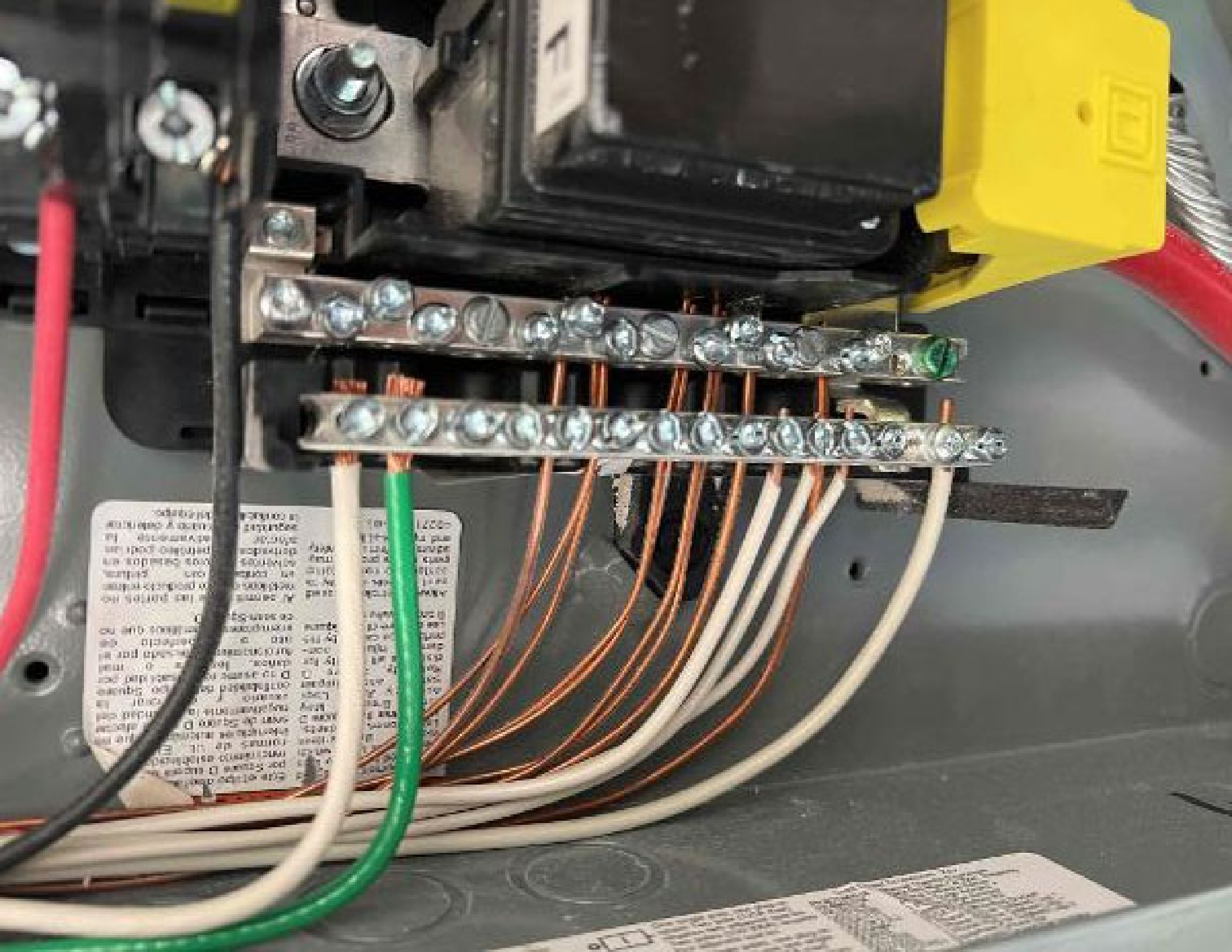
Software up-to-date

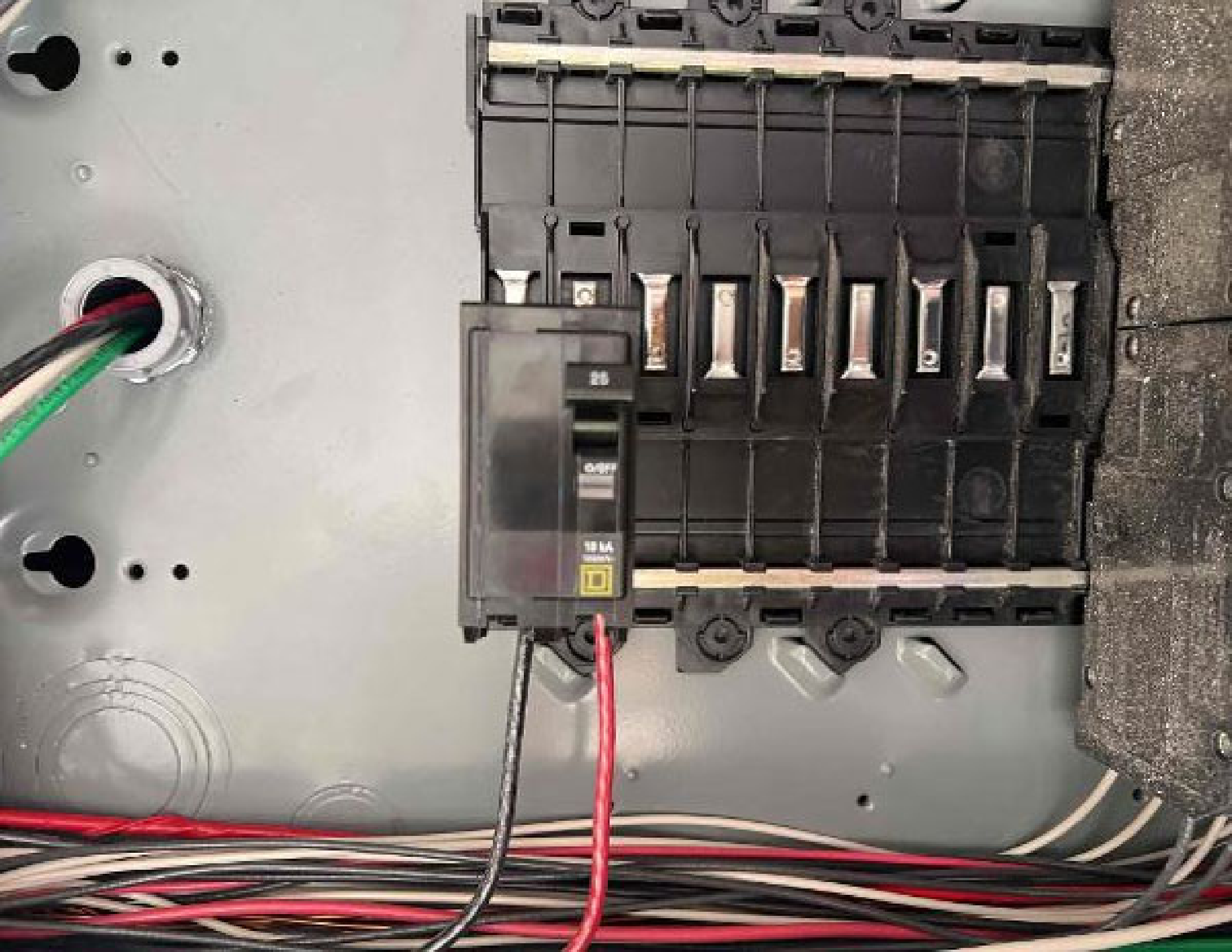
Current software version: 07.03.454

START PROVISIONING DEVICES

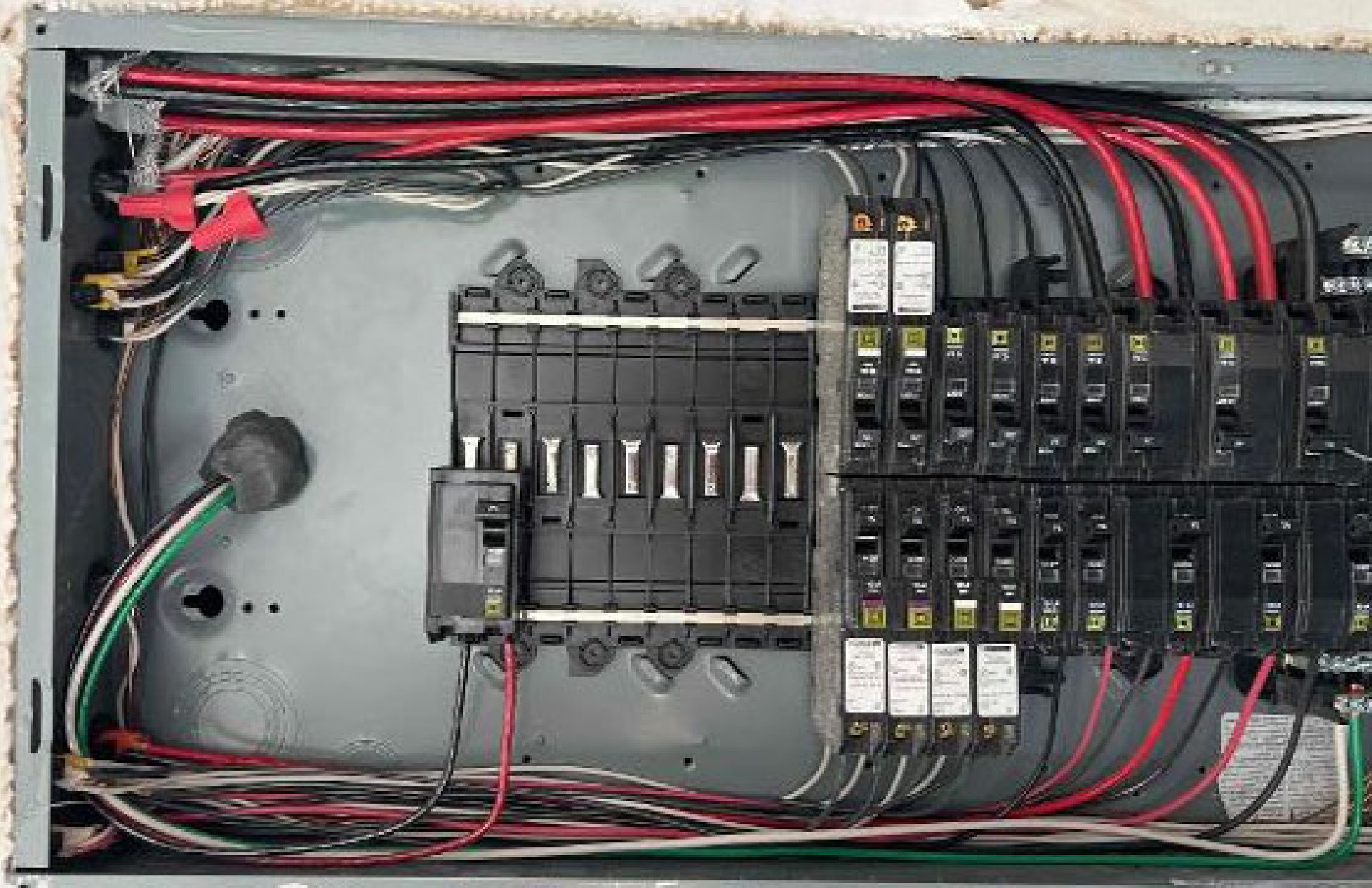












UNIRAG SEMI-INSULATED BRACKETING

FOR MOUNTING AND GROUNDING SOLAR SYSTEMS

UL1703, UL2703







194



840-003R8-14  
250VAC 20A  
+19°C 2042

















300

