



ELECTRICAL RESIDENTIAL

910-893-7525

www.harnett.org

PERMIT NUMBER

ERES2203-0067

| | | |
|--|--|------------------------------------|
| JOB ADDRESS: 26 RAINMAKER ST | PERMIT SUBTYPE: RESIDENTIAL SOLAR PANELS | PARCEL NO: 0544-57-1340.000 |
| DESCRIPTION: 25 roof mounted solar panels | DATE ISSUED: 4/19/2022 | DATE EXPIRED: |
| PLAN NAME: | ZONING DISTRICT: RA-20R - 0.37 acres (100.0%) | |

| | |
|--|---|
| APPLICANT: Sigora Solar 1222 Harris Street Charlottesville, VA 22903 | PHONE: (434)465-6788 EMAIL: permitting@sigorasolar.com |
| CONTRACTOR: Sigora Solar 1222 Harris Street Charlottesville, VA 22903 | PHONE: (434)465-6788 EMAIL: permitting@sigorasolar.com |
| OWNER: PATTYSON KATE 26 RAINMAKER ST LINDEN, NC 28356 LINDEN, NC 28356 | PHONE: EMAIL: |

REQUIRED INSPECTIONS

| INSPECTION TYPE | APPROVAL | DATE | COMMENTS |
|-----------------|----------|------|----------|
| FINAL** | | | |
| ROUGH IN | | | |



Scott E. Wyssling, PE
Jon P. Ward, SE, PE
Gregory T. Elvestad, PE

76 North Meadowbrook Drive
Alpine, UT 84004
office (201) 874-3483
swyssling@wysslingconsulting.com

April 21, 2022

SCOTT E
WYSSLING, PE

Digitally signed by SCOTT E WYSSLING, PE
DN: C=US, S=Utah, L=Alpine, O=Wyssling Consulting,
OU=Owner, CN="SCOTT E WYSSLING, PE",
E=swyssling@wysslingconsulting.com
Reason: I am the author of this document
Location: your signing location here
Date: 2022-04-21 23:59:58
Foxit PhantomPDF Version: 9.7.5

Sigora Solar LLC
490 Westfield Road STE A
Charlottesville, VA 22901

Re: Engineering Services (Post-Install)
Pattyson Residence
26 Rainmaker Street, Linden, NC
10.000 kW System

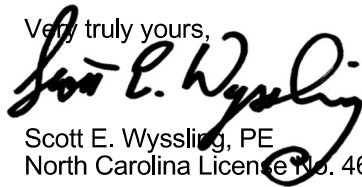
To Whom It May Concern:

Pursuant to your request, we have reviewed the installation of the above-referenced solar panel system. As you are aware, this office initially prepared a structural assessment, dated March 24, 2022, of the solar panel installation. This installation was inspected and found to be in compliance with the layout plan as specified in our report, product installation criteria, and the requirements of the current building codes. The installation is in compliance with the 2018 North Carolina Residential Code Book, professional engineering assessment and judgment and covers this dwellings assessment for solar panel connections and support only. We have determined that the equipment will not create a negative impact on the building's structural design, including any additional loads imposed (dead, snow, wind).

This letter pertains only to the panel support attachments to the roof framing and not the engineered photovoltaic panel products, components, or electrical-related installations/connections.

Should you have any questions regarding the above or if you require additional information do not hesitate to contact me.

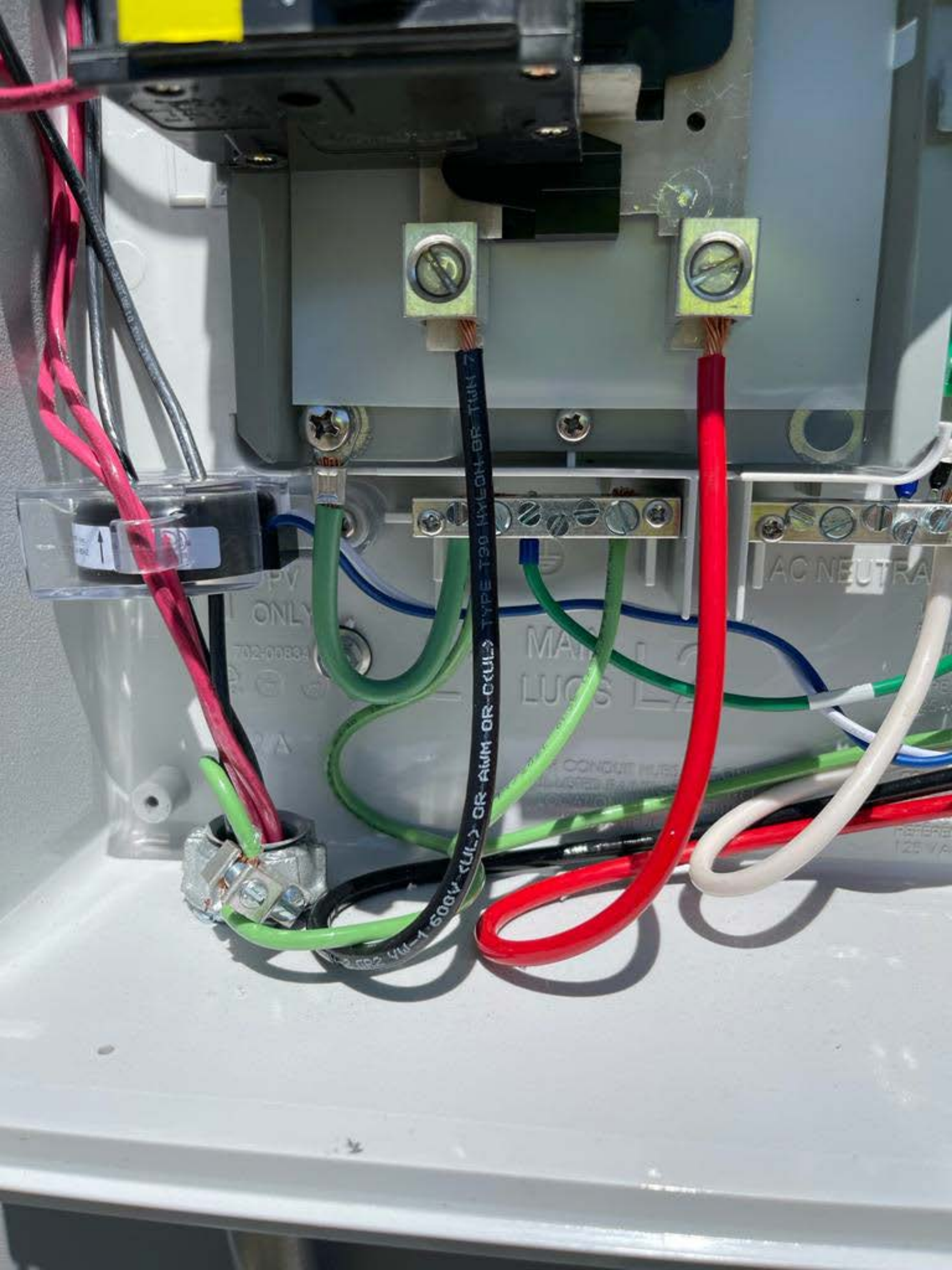
Very truly yours,


Scott E. Wyssling, PE
North Carolina License No. 46546

THIS PLAN HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY SCOTT WYSSLING, PE USING A DIGITAL SIGNATURE AND DATE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES



Wyssling Consulting, PLLC
76 N Meadowbrook Drive
Alpine UT 84004 COA # P-2308



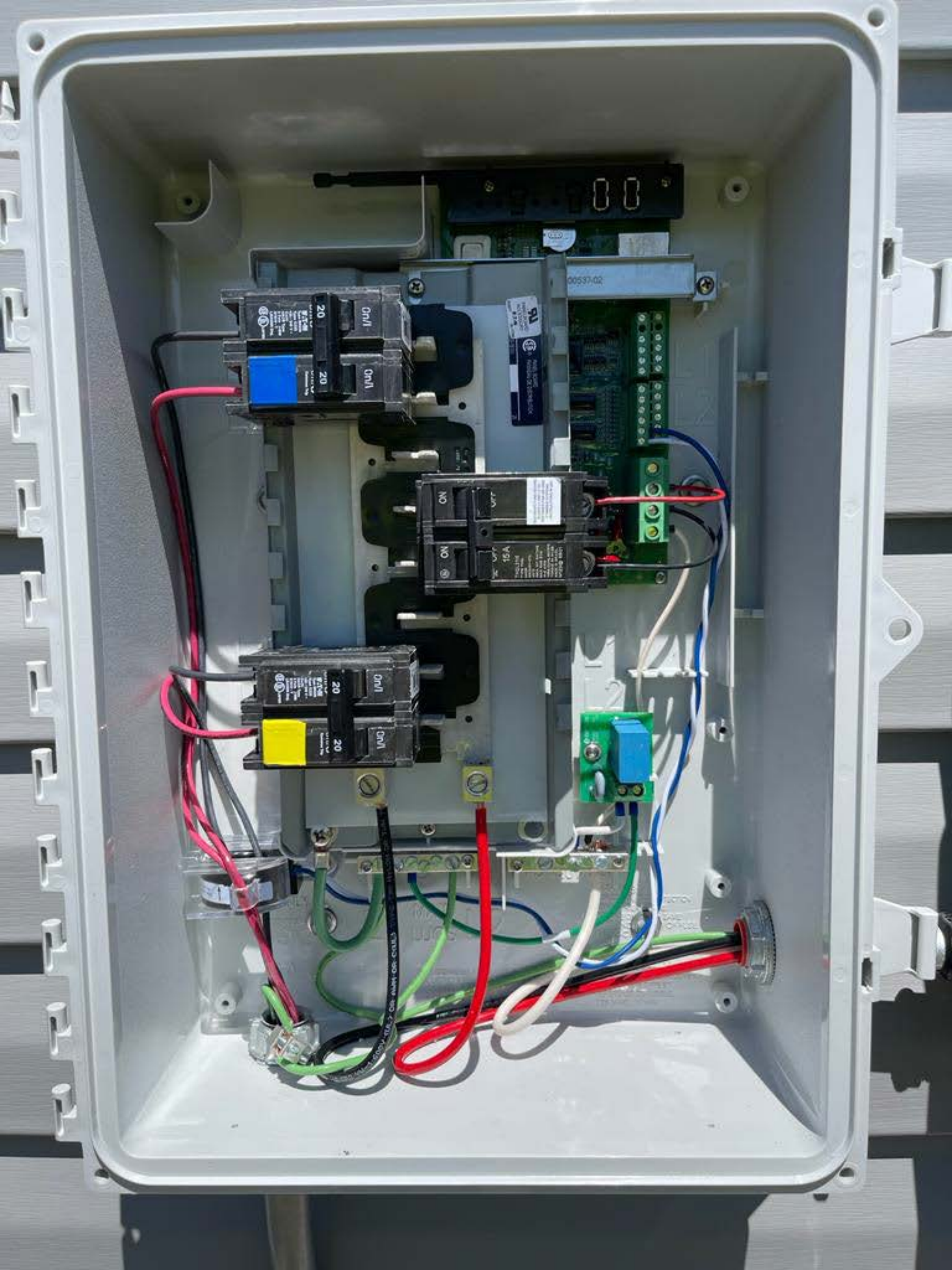
PV ONLY
702-00834

MAIN LUGS

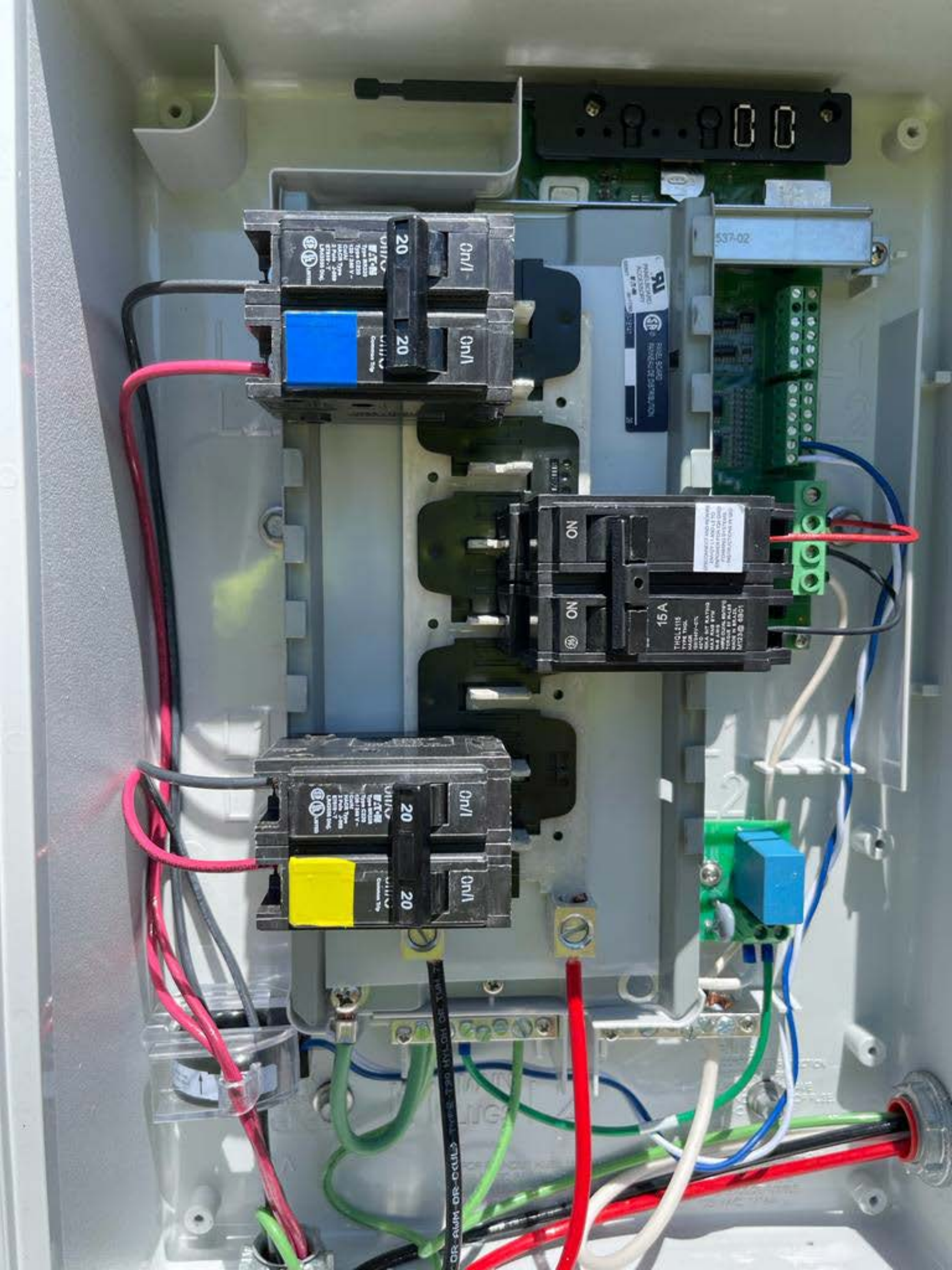
AC NEUTRAL

CONDUIT RIGID

125 V/A









KEC WIRE CORP. 8 AWG TYPE THHN OR THWN-2 GR2

N-R-40
250vac
AC 1R 2000A
125Vdc
1R 200A

Bussmann
FUSETRON
ENERGY EFFICIENT
DUAL ELEMENT TIME DELAY
CLASS RK5 FUSE
FRN-R-40
250vac
AC 1R 2000A
125Vdc
1R 200A

PELIGRO

PELIGRO DE DESCARGA ELÉCTRICA, EXPLOSIÓN O DESTELLO POR ARQUEO

El uso de protección personal (EPP) y las prácticas de seguridad medidas por su compañía y norma TQC de NECA, son esenciales antes de realizar cualquier trabajo dentro o fuera de un interruptor. El uso de un dispositivo detector de arco (DDA) es obligatorio en los circuitos de energía para la detección de arcos y fallas de aislamiento. El uso de un DDA con la desenergización del interruptor antes de trabajar en él es obligatorio. El uso de un DDA con fusibles clase R, RRR o RRRR puede causar incendios y lesiones graves en caso de ser utilizado en circuitos de suministro más de 1000 V. El uso de un DDA con fusibles clase R, RRR o RRRR puede causar incendios en circuitos de suministro.

| HP Rating | Capacidad en HP |
|-----------|-----------------------|
| 120 V- 1 | 1.5 (1.14) 3 (2.28) |
| 240 V- 1 | 3 (2.28) 6 (4.56) |
| 240 V- 3 | 7.5 (5.60) 15 (11.18) |

Los fusibles de este interruptor están diseñados para ser utilizados en un sistema de puesta a tierra de neutro. Utilice los conductores de puesta a tierra para los conductores de neutro y tierra.

Características adecuadas para conductores de Cu/Al a 60°C o 75°C:

Los fusibles de este interruptor están diseñados para ser utilizados en un sistema de puesta a tierra de neutro. Utilice los conductores de puesta a tierra para los conductores de neutro y tierra.

ANSI/NECA 117-2015

40275-083-04

212641

RE D

40275-083-04

Para más información en español consulte el Manual del Usuario en español en www.schneider-electric.com.mx

Tel: (55) 5804-5000

schneider-electric.com.mx

ARC SHIELD PROTECTION PARA ARCO

RRR 100A

USETR ENERGY EFFICIENT FNR40 250A





Bussmann
FUSETRON
ENERGY EFFICIENT
QUAL ELEMENT TIME-DELAY
CLASS RK5 FUSE

FRN-R-40 AMP

250VAC
AC IR 200KA

125VDC
IR 20KA

Bussmann
FUSETRON
ENERGY EFFICIENT
QUAL ELEMENT TIME-DELAY
CLASS RK5 FUSE

FRN-R-40 AMP

250VAC
AC IR 200KA

125VDC
IR 20KA

PELIGRO

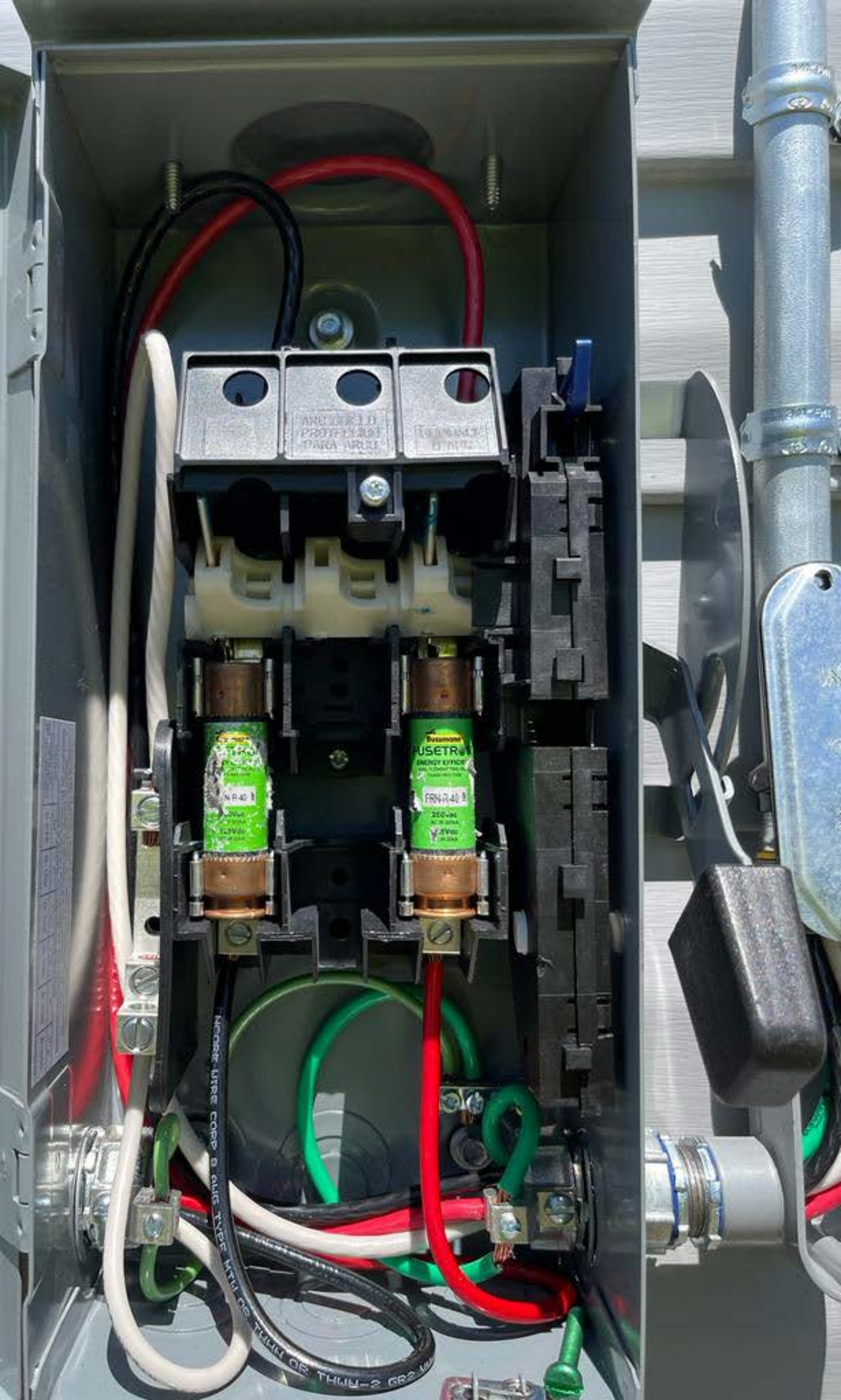
DE DESCARGA
A EXPLOSIÓN O
POR ARQUEO

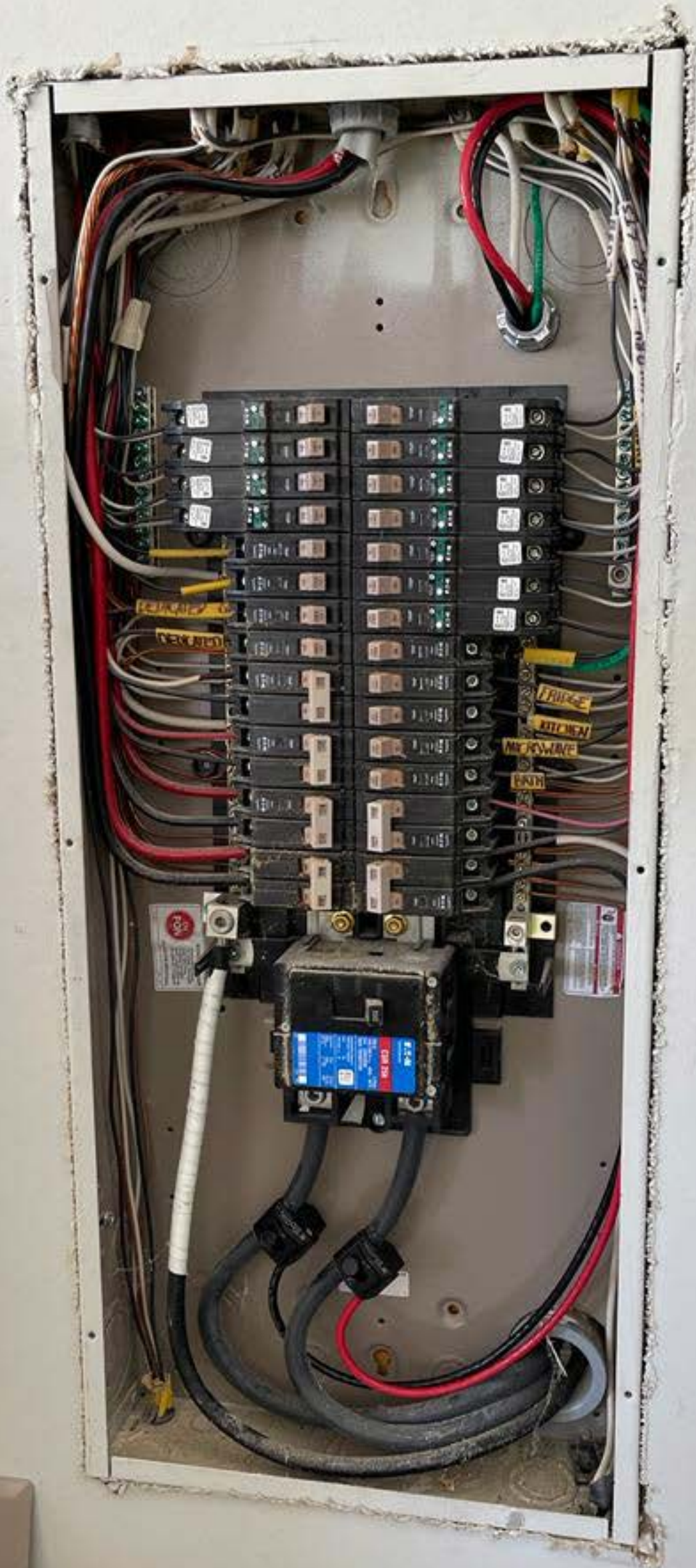
Capacidad en HP
1.5 (1.19) 3 (2.236)
3 (2.236) 10 (7.46)
7.5 (5.60) 15 (11.19)

para
AI

Eléctrico

MANCE
40272-052-04







2 Pole
Hz 40°C
1k

11 SAUTER

11 SAUTER

PANEL ISSUE NO.
UL

1
UL

11 SAUTER

11 SAUTER

 ENPHASE.

 SIGORA
SOLAR

 **WARNING**
POWER SOURCE DETECT
CONNECTION DO NOT
RELOCATE THIS
OVERCURRENT DEVICE





PHOTOVOLTAIC AC DISCONNECT

MAXIMUM AC OPERATING CURRENT: 30.25A

NOMINAL OPERATING AC VOLTAGE: 240V



GENERAL DUTY
SAFETY SWITCH
INTERRUPTOR DE
SEGURIDAD DE
SERVICIO GENERAL
60 A
240 Vac / V-



⚠ DANGER / PELIGRO

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH
PELIGRO DE DESCARGA ELÉCTRICA, EXPLOSIÓN O
DESTELLO POR ARQUEO

**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



SIGORA
SOLAR



ENVIKSA
SOLAR

TYLINE















WE'RE SAVING
MONEY
WITH
 **SIGORA
SOLAR**











PUBLIC Enterprises
Patent No. US 7,627,478 B1

SOLADECK

Model: 500VDC/115 AMP/240VAC/50 AMP/5 Short Circuit/10KA Ambient Temp 75C

| | | | | |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| <input type="checkbox"/> 20 | <input type="checkbox"/> 21 | <input type="checkbox"/> 22 | <input type="checkbox"/> 23 | <input type="checkbox"/> 24 |
| <input type="checkbox"/> 01 | <input type="checkbox"/> 02 | <input type="checkbox"/> 03 | <input type="checkbox"/> 04 | <input type="checkbox"/> 05 |
| <input type="checkbox"/> 06 | <input type="checkbox"/> 07 | <input type="checkbox"/> 08 | <input type="checkbox"/> 09 | <input type="checkbox"/> 10 |
| <input type="checkbox"/> 11 | <input type="checkbox"/> 12 | <input type="checkbox"/> 13 | <input type="checkbox"/> 14 | <input type="checkbox"/> 15 |
| <input type="checkbox"/> 16 | <input type="checkbox"/> 17 | <input type="checkbox"/> 18 | <input type="checkbox"/> 19 | <input type="checkbox"/> 20 |
| <input type="checkbox"/> 21 | <input type="checkbox"/> 22 | <input type="checkbox"/> 23 | <input type="checkbox"/> 24 | <input type="checkbox"/> 25 |

0799 Series

0796-43A0

ETL LISTED

134027

WARNING

AVERTISSEMENT





SOLADÉCK

www.soladecck.com

Patented Condition-Dependent Protection by Dr. Stefan Grottel in USA (US 7,760,790) and Europe (EP 1,760,790) Patent No. 06 314416-01

10 15 20 25 30 35 40 45 50
 500 Series 500S-41AD

Max Ratings: 60VDC/115 AMP, 240VAC/60 AMP, Short-circuit 10kA, Ambient Temp 75°C

| ⚠ WARNING | | ⚠ AVERTISSEMENT | |
|-----------|---|--|---|
| ⚡ | <p>WARNING: This device is designed to protect your solar panels from damage caused by lightning strikes. It is not a surge protector and should not be used to protect your equipment from power surges. Always use proper grounding and bonding techniques. Consult the manufacturer's instructions for more information.</p> | <p>AVERTISSEMENT: Cet appareil est conçu pour protéger vos panneaux solaires des dommages causés par les coups de foudre. Ce n'est pas un parafoudre et ne doit pas être utilisé pour protéger votre équipement contre les surtensions. Utilisez toujours des techniques appropriées de mise à la terre et de liaison. Consultez les instructions du fabricant pour plus d'informations.</p> | |
| | <p>CAUTION: Do not touch the terminals or internal components of the device. The device is energized and may cause electric shock or fire. Always use proper safety procedures when working with electrical equipment.</p> | | <p>ATTENTION: Ne touchez pas les bornes ou les composants internes de l'appareil. L'appareil est sous tension et peut causer des chocs électriques ou des incendies. Utilisez toujours les procédures de sécurité appropriées lors du travail avec l'équipement électrique.</p> |

