



UL LISTED
CLASS



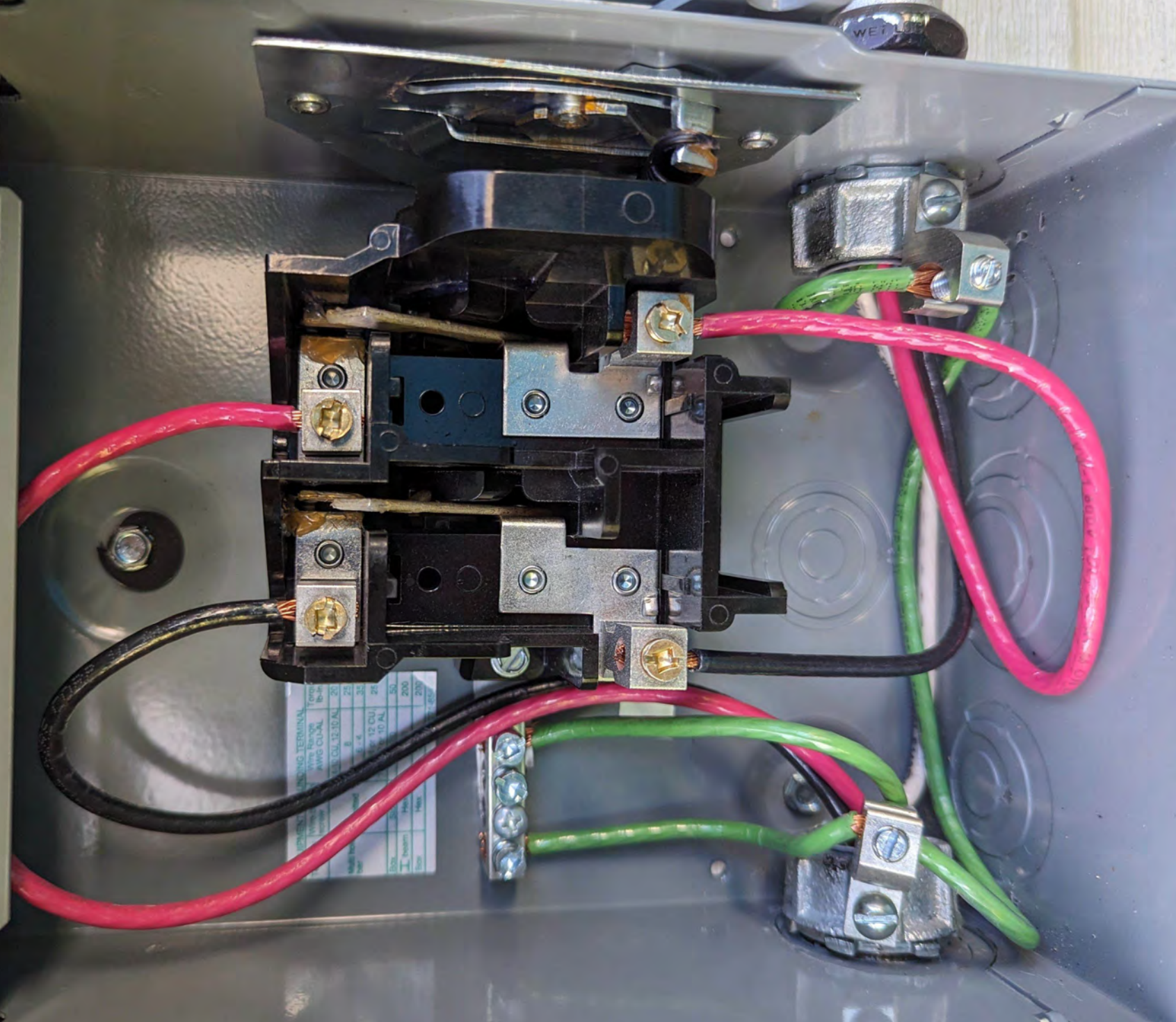
By Schneider Electric
Made in Mexico

73

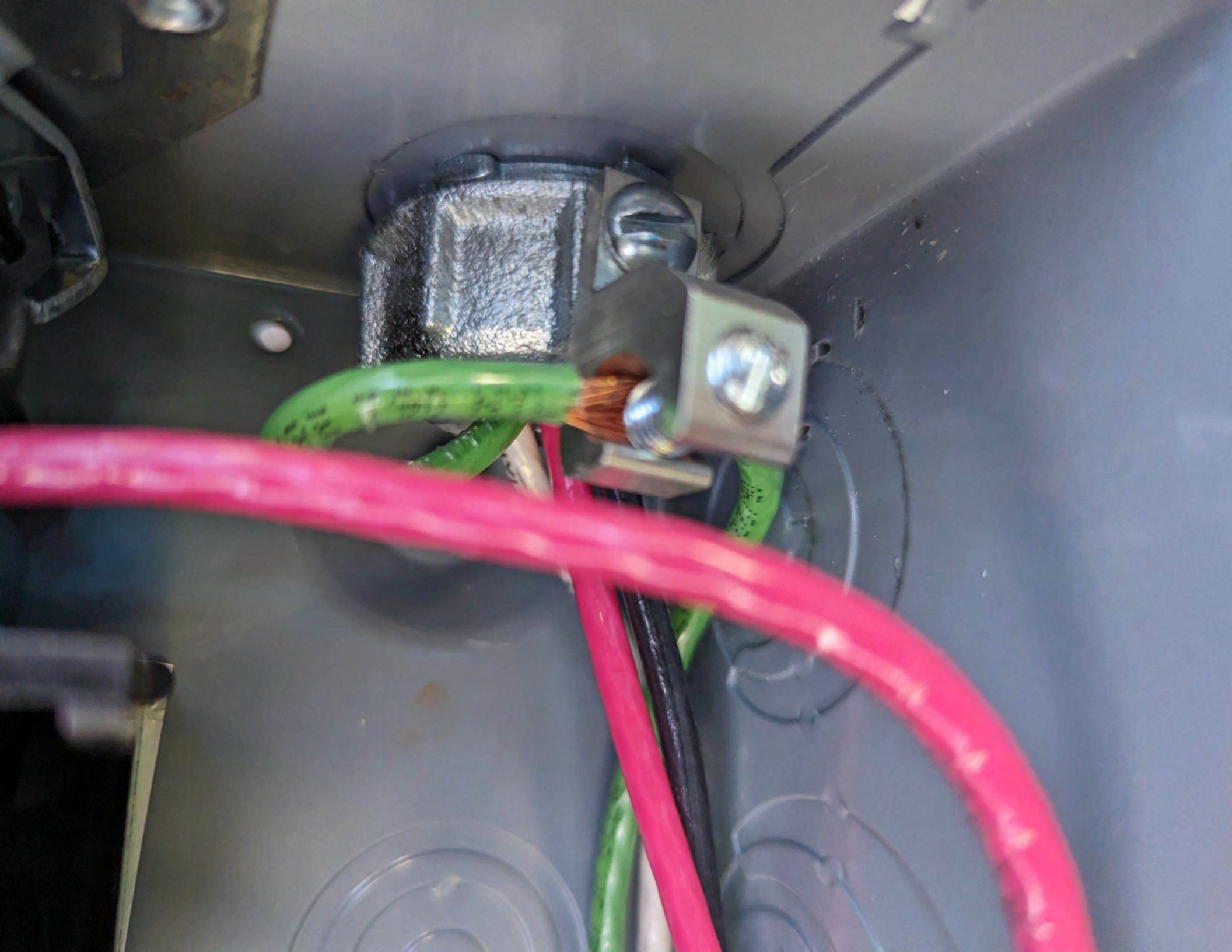
Hecho en México

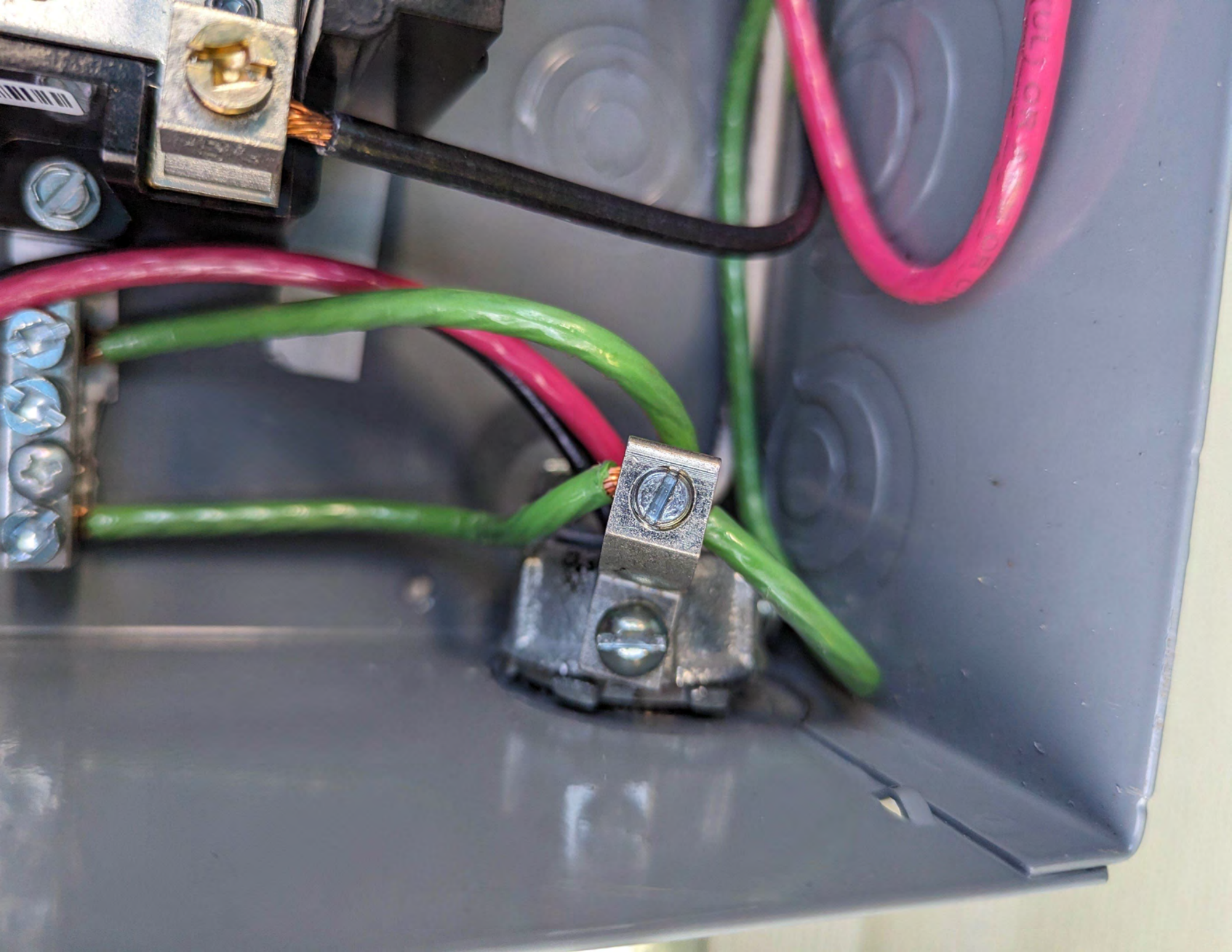


4402400000000



WIRE RANGE	TERMINAL	TYPE
14-16	1	10 AWG CU AL
16-18	2	10 AWG CU AL
18-22	3	10 AWG CU AL
22-26	4	10 AWG CU AL
26-30	5	10 AWG CU AL
30-36	6	10 AWG CU AL
36-42	7	10 AWG CU AL
42-50	8	10 AWG CU AL
50-60	9	10 AWG CU AL
60-75	10	10 AWG CU AL
75-95	11	10 AWG CU AL
95-120	12	10 AWG CU AL
120-140	13	10 AWG CU AL
140-175	14	10 AWG CU AL
175-200	15	10 AWG CU AL
200-250	16	10 AWG CU AL
250-300	17	10 AWG CU AL







⚠ WARNING

DUAL POWER SUPPLY

**SOURCES: UTILITY GRID AND
PV SOLAR ELECTRIC SYSTEM**



CL200 240V 3W TYPE C2M 30TA 1.0KH
CA 0.5
F120328
60Hz

ZZZ 7F6689 H67

DUKE ENERGY PROGRESS
343-675-681

F120328
OpenWay
by
VeriWave



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

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

PHOTOVOLTAIC SYSTEM
⚠ AC DISCONNECT
RATED AC OUTPUT CURRENT 22.99 A
NOMINAL OPERATING AC VOLTAGE 240 V

⚠ WARNING
MAIN DISTRIBUTION UTILITY DISCONNECTS
POWER TO THIS BUILDING IS ALSO SUPPLIED
FROM A ROOF MOUNTED SOLAR ARRAY WITH A
RAPID SHUTDOWN DISCONNECTING MEANS
GROUPED AND LABELED WITHIN LINE OF SITE
AND 10 FT OF THIS LOCATION.

**EMERGENCY
DISCONNECT**
DESCONEXIÓN DE EMERGENCIA

**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



**RAPID SHUTDOWN
SWITCH FOR
SOLAR PV SYSTEM**

**GENERAL DUTY
SAFETY SWITCH
INTERRUPTOR DE
SEGURIDAD DE
SERVICIO GENERAL**

30 A
240 V ac / V-



SQUARE D®



⚠ DANGER / PELIGRO

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

- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NEPA 70E.
- This equipment must only be installed and serviced by qualified electrical personnel.
- Never operate energized switch with door open. Keep door fastened.
- Turn off switch before removing or installing fuses or making load side connections.
- Always use a properly rated voltage sensing device at all line and load fuse clips to confirm switch is off.
- Turn off power supplying switch before doing any other work on or inside switch.
- Do not use renewable sink fuses in fused switches.
- Failure to follow these instructions will result in death or serious injury. To lock out switch, raise padlock loop through hole in lockplate and hold in hands. 40215-566-01

**⚠ AC DISCONNECT ⚠
PHOTOVOLTAIC SYSTEM**

**RATED AC OUTPUT CURRENT 22.99 A
NOMINAL OPERATING AC VOLTAGE 240 V**

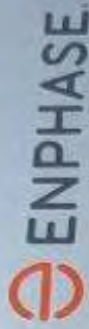
⚠ WARNING

**POWER TO THIS BUILDING IS ALSO
SUPPLIED FROM MAIN DISTRIBUTION
UTILITY DISCONNECT LOCATED**

MSP

⚠ WARNING

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



⚠ WARNING

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

PHOTOVOLTAIC SYSTEM
⚠ AC DISCONNECT ⚠

RATED AC OUTPUT CURRENT 22.59 A
NOMINAL OPERATING AC VOLTAGE 240 V

⚠ WARNING

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

⚠ WARNING

PHOTOVOLTAIC SYSTEM
COMBINER PANEL

DO NOT ADD LOADS

⚠ WARNING

MAIN DISTRIBUTION UTILITY DISCONNECTING
POWER TO THIS BUSBAND IS ALSO SUPPLIED
FROM A ROOF MOUNTED SOLAR ARRAY WITH A
RAPID SHUTDOWN (RSD) CONNECTING MEANS
GROUPED AND LABELED WITH LINE OF SITE
AND 10 FT OF THE LOCATION



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

**EMERGENCY
DISCONNECT**
DESCARGA DE EMERGENCIAS

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

**PHOTOVOLTAIC SYSTEM
AC DISCONNECT**
NOMINAL AC OUTPUT CURRENT 40 A
NOMINAL OPERATING AC VOLTAGE 120 V

WARNING
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



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

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ELECTRIC SHOCK HAZARD
TERMINALS ON THE LINE AND
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IN THE OPEN POSITION

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ELECTRIC SHOCK HAZARD
TERMINALS ON THE LINE AND
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IN THE OPEN POSITION

**PHOTOVOLTAIC SYSTEM
AC DISCONNECT**
NOMINAL AC OUTPUT CURRENT 40 A
NOMINAL OPERATING AC VOLTAGE 120 V

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

WARNING
PHOTOVOLTAIC SYSTEM
COMBINER PANEL
DO NOT ADD LOADS

WARNING

ENPHASE

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

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

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

























WARNING!



DO NOT TOUCH
DO NOT TOUCH
DO NOT TOUCH
DO NOT TOUCH



DO NOT TOUCH
DO NOT TOUCH
DO NOT TOUCH
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DO NOT TOUCH
DO NOT TOUCH

RATED TO HANDLE
RATED TO HANDLE
RATED TO HANDLE
RATED TO HANDLE



UL LISTED
UL LISTED

60050



WARNING! 

DAVID HORTON
224 NORTH WILLIAM ST. CHICAGO, IL 60610

NEED TO INSTALLATION MANUAL
YOUR LOCAL CODE
TYPE FOR ALL WORK & DATA WITHIN
CONFORM TO THE STANDARD



NEMA 3R





























RECEIVED

180 91/2

EXHIBIT 1

APR 1966

STATE OF TEXAS
COUNTY OF DALLAS

NOTARIAL PUBLIC

My Comm. Expires 04/15/67

12-00 12/00/66
AT 10:00 AM
ON 12/01/66
AT 10:00 AM

WITNESSED BY ME
ON 12/01/66
AT 10:00 AM

NOTARIAL PUBLIC

180 91/2

HERA

HERA





















16

15

14

13

12

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5

4

3

2

1





2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

















WARNING! 

DAVID HORTON
224 NORTH WILLIAM ST. CHICAGO, IL 60604

NEED TO INSTALLATION MANUAL
YOUR 120 V. RANGE
TYPE FOR ALL SIZES & DATA WITH IN
CONFORM TO THE STANDARD



NEMA 3R



DANIEL MORGAN
221 JOSEY WILLIAMS

MAN NC 28839

Wired 221

7788102
2215511
2215511
2215511

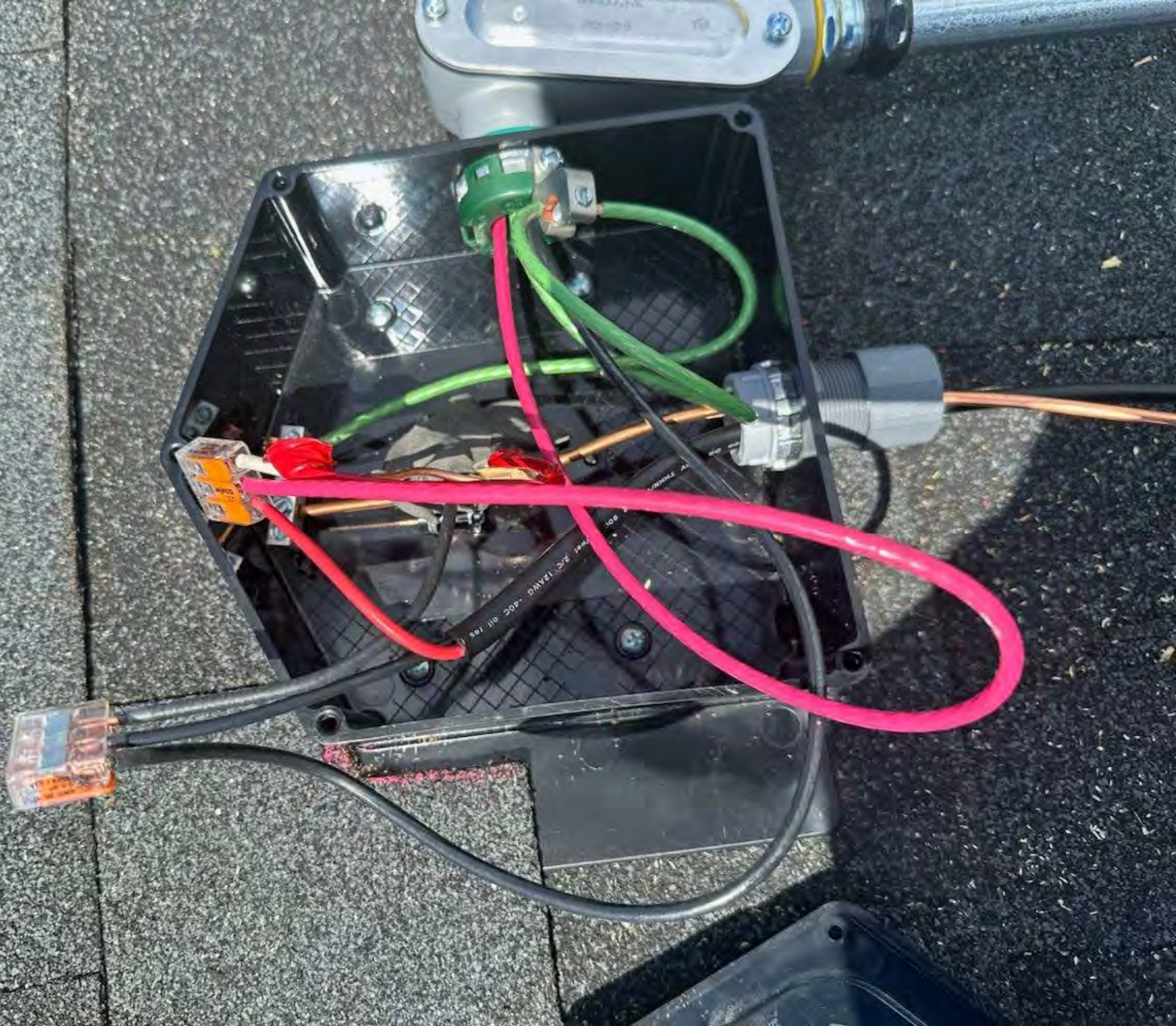


SAFETY INFORMATION MANUAL
NO. 28329
READ THIS MANUAL
BEFORE ALL WORK
CONFORM TO ALL APPLICABLE
CODES TO THE STANDARD 774



TYPE DG 600V
100% CUMULATIVE WEAR
RESISTANCE







WARNING!

READ INSTRUCTIONS
BEFORE USING THIS
ELECTRICAL EQUIPMENT.
FAILURE TO FOLLOW
INSTRUCTIONS MAY
RESULT IN DEATH,
SERIOUS INJURY,
OR PROPERTY DAMAGE.
FOR YOUR PROTECTION,
READ AND UNDERSTAND
ALL INSTRUCTIONS.
SEE USER MANUAL FOR FURTHER INFORMATION.

WARNING: DO NOT TOUCH THE
TERMINALS OR WIRING.
ELECTRIC SHOCK CAN
OCCUR. ALWAYS USE
PROPER SAFETY PROCEDURES.
SEE USER MANUAL FOR
FURTHER INFORMATION.



ETL
LABS
10000 W. 10th St.
Scottsdale, AZ 85257

MAX DC RATING 1000 VDC/50 AMP
MAX AC RATING 300 VAC/50 AMP
ALLOWABLE WIRE 14-2 AWG
CURRENT OPERATING 117V 50-75C

WARNING! 

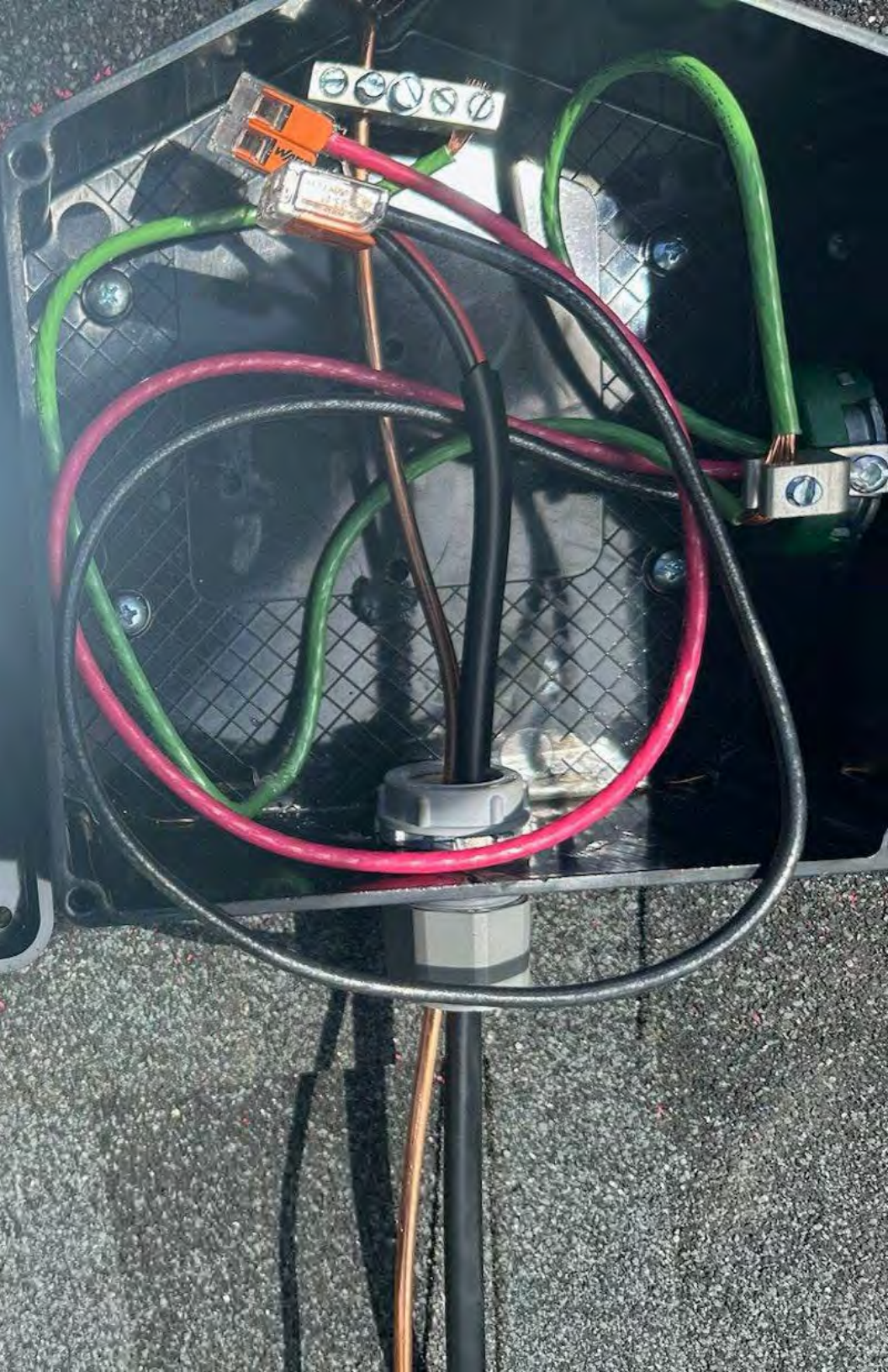
RISK OF ELECTRICAL SHOCK, DC OR AC, IS POSSIBLE IF WIRE IS CONNECTED INSIDE THIS EQUIPMENT. WIRE MUST BE INDIVIDUALLY DISCONNECTED FROM SYSTEM AND WHEN THE PHOTOVOLTAGE IS EXPOSED TO LIGHT, IT SUPPLIES VOLTAGE.

DANIEL MORGAN
226 JOSEY WILLIAMS RD ERWIN NC 28339

REFER TO INSTALLATION MANUAL
VOLUME 100 CU INCHES
TORQUE FOR ALL SCREWS & BOLTS: 15-20 LB-FT
CONFORMS TO UL STANDARD 1741



Intertek
5015242 NEMA 3R





023



840-0038-17
250VAC 20A
179°C 2305

Resistant PTA SIMON












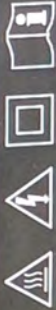


 **ENPHASE®**

IQ8+

Grid Support Utility Interactive Inverter
Multimode Inverter

Off-grid Power Factor: -1 to 0 to +1
Grid-tied Power Factor: +/ - 0.95
DC input range: 16-58V
Max. input short-circuit current: 15 A
Max. input continuous current: 12 A
AC output voltages: 240V
AC output current: 12.1 A
AC output frequency: 60 Hz
Operating temperature: -40 °C to +60 °C
Ingress protection: NEMA Type 6
Photovoltaic Rapid Shutdown Equipment
NEC 690.12 and C22.1-2015 Rule 64-218
UL1741 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. WARRANTY VOID IF COVER REMOVED. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING: ELECTRIC SHOCK HAZARD. DC CONDUCTORS OF THIS PHOTOVOLTIC SYSTEM ARE UNGROUNDED AND MAY BE ENERGIZED. AC AND DC VOLTAGE SOURCES TERMINATE INSIDE THIS EQUIPMENT. DISCONNECT BOTH BEFORE SERVICING. PHOTOVOLTIC ARRAY SUPPLIES A DC VOLTAGE TO THIS EQUIPMENT WHEN EXPOSED TO LIGHT. HOT SURFACES: TO REDUCE THE RISK OF BURNS - DO NOT TOUCH.

ATTENTION: RISQUE D'ELECTROCUTION. LES CONDUCTEURS CC DE CE SYSTEME PHOTOVOLTAIQUE NE SONT PAS RELIES A LA TERRE ET PEUVENT ETRE SOUS TENSION. DES SOURCES DE TENSION CA ET CC SONT CONNEXES A CET APPAREIL. ISOLER LES DEUX SOURCES AVANT TOUTE INTERVENTION. LES CÂBLES COURANT CONTINU SONT SOUS TENSION LORSQUE LE CHAMP PHOTOVOLTAIQUE EST EXPOSE A LA LUMIERE. RISQUE DE BRULURE. NE PAS TOUCHER.



UNIRAC SFM INFINITY RACKING
FOR MOUNTING AND GROUNDING SOLAR SYSTEMS

UL1703, UL2703

Designated Competent Person – Fill out this portion of the form

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.

Nearest Urgent Care (circle one)	Bates Johnson Hospital
Nearest Emergency Room:	900 Pilsbrough Dr., Dunn, NC 29334
Safety Contact:	James Jones (352) 894-1337
Additional Notes:	

Workers

Compensation Provider: Berkshire Hathaway Homestate Companies
Berkshire Hathaway Address: PO Box 881716, San Francisco CA 94188
Berkshire Hathaway Fax Number: (800) 661-6984
Berkshire Hathaway Policy Number: BLWC226029 (OR, FL) - BLWC225838 (all other states)
Blue Raven Fax Number: (385)-498-408

Report Injury





SEGSolar Inc
 Add:973 Isom Road,San Antonio,
 TX 78216 USA
 www.segsolar.com

System Fire Class Rating: See installation manual
 Made in Thailand

Module Type:
 Rated Maximum Power:Front
 Power Sorting:
 Current at Pmax: Front
 Voltage at Pmax: Front
 Short-Circuit Current: Front
 Open-Circuit Voltage: Front
 Weight:
 Dimension:
 Maximum System Voltage:
 Cell Technology:
 Fire Rating:

SEGS-405-BMD-TB
 405W
 (0,+4.9%)
 13.10A
 30.93V
 13.70A
 37.22V
 21.5Kg
 1722 x1134x30mm
 1500V
 25A
 Mono-Si
 Type 1

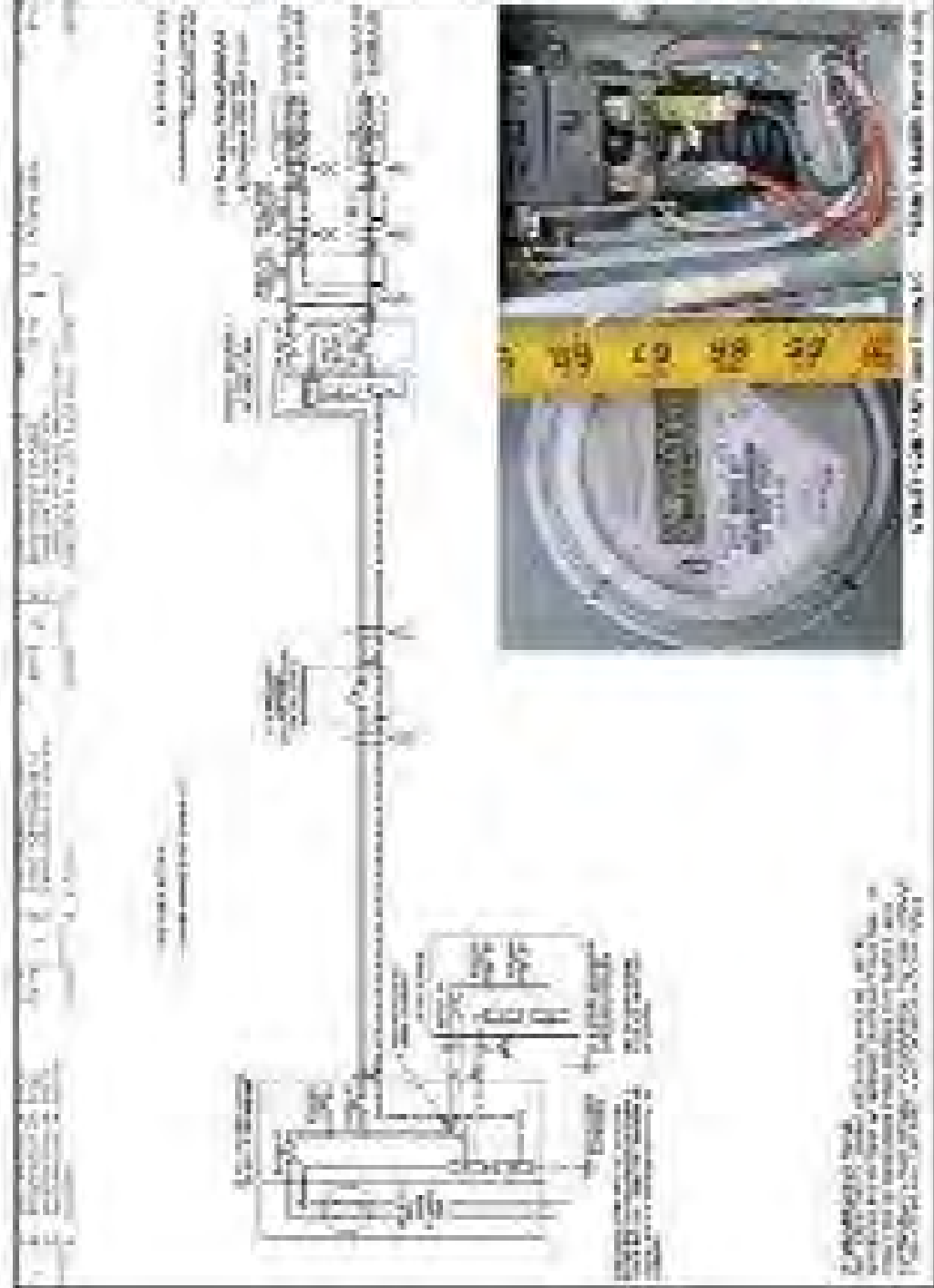
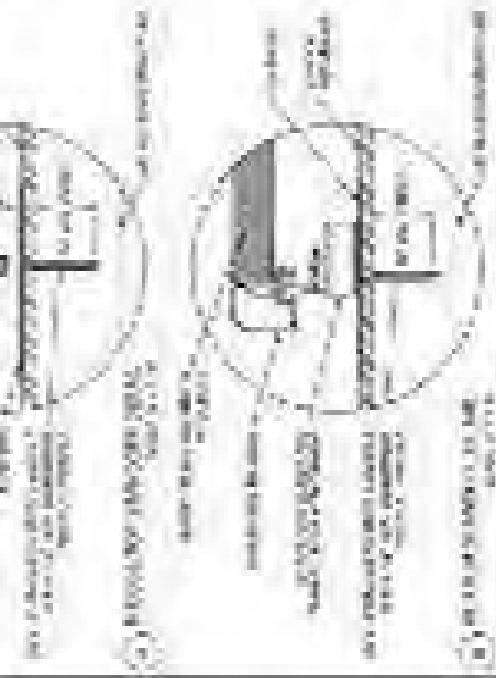
Power Production Tolerance ±3%
 Short-circuit Current Tolerance ±4%
 Open-circuit Voltage Tolerance ±2%
 All technical data measured at 57C
 1000W/m² AM1.5,25C
 PV Module Classification:Class II





SEG
SOLAR ENERGY GROUP
10000 N. 10th Ave. Suite 100
Scottsdale, AZ 85260
Phone: 480.344.1111
Fax: 480.344.1112
www.seg.com
© 2014 SEG Solar Energy Group, Inc. All rights reserved.

WARNING: High Voltage
CAUTION: Sharp Edges
RECYCLE



Item	Description	Quantity	Unit	Remarks
Well Casing
Annular Space
Well Head
Pump
Electrical Control System
Water Level
Ground Level



2 3 4 5 6



UNIRAC SFM INFINITY RA
FOR MOUNTING AND GROUNDING SOLA
UL1703, UL2203





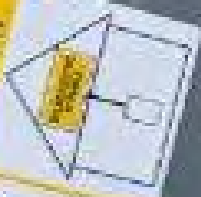


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SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN



TURN OFF RATED SHUTDOWN SWITCH TO THE "OFF" POSITION TO SHUT DOWN PV SYSTEM AND SERVICE DISCONNECT BEFORE WORKING IN THE ARRAY



© 2015 SunPower Corporation
SunPower Corporation
16500 SunPower Way
Fremont, CA 94538
www.sunpower.com

IQ Gateway Connectivity

● Not connected to Enchese Cloud

Power Production

Power production is enabled

Production

Task

Co

Task

Grid

IEE

 **Scan completed**

ID Microinverters - 19/19

Done

CHANGE GRID PROFILE

Powerline Scan (Auto)

Powerline (A) (Auto) (Ready) (19) (Inverter) (4) (AC) (Battery)

Call Powerline (Auto) (Ready) (19) (Inverter) (4) (AC) (Battery)

PLC SCAN

Unsynced Items

Media

0

Project

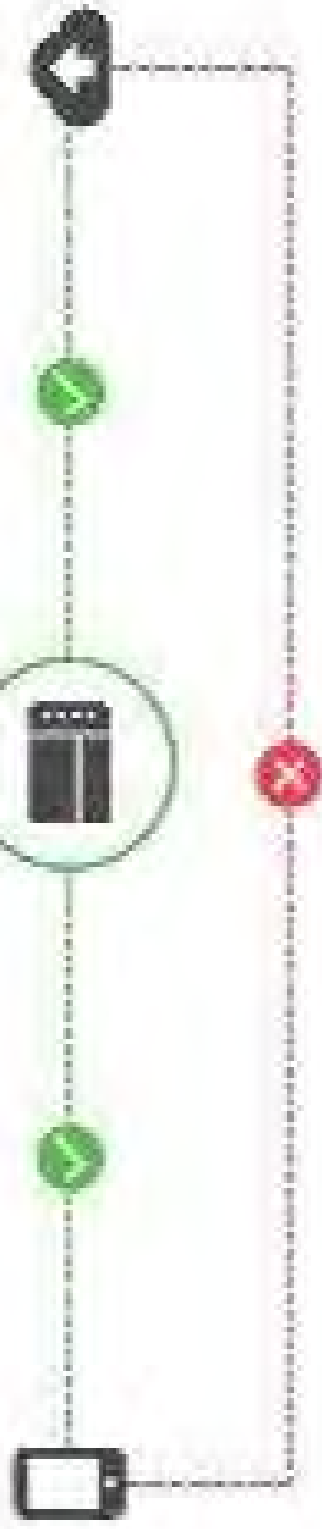
0

Sync Settings

Sync on Wifi only

OFF

[Having trouble syncing?](#)



IQ Gateway successfully connected to Enphase Cloud and Installer Toolkit.

IQ Gateway Connectivity status



Wi-Fi

192.169.1.82

Connected



Ethernet



Cellular

Software up-to-date



Current software version 07.03.465

START PROVISIONING DEVICES

Instalador:

N S E W
N S E O



6

7

8

9

Δ

SN: 20230412260 TAN: 883-01331

SN: 202304723184 TAN: 883-01331

SN: 202304072537 TAN: 883-01331

SN: 202304077998 TAN: 883-01331

SN: 202304122639 TAN: 883-01331

202248164593 863 - 01331

SN: 202304086892 TAN: 883-01331

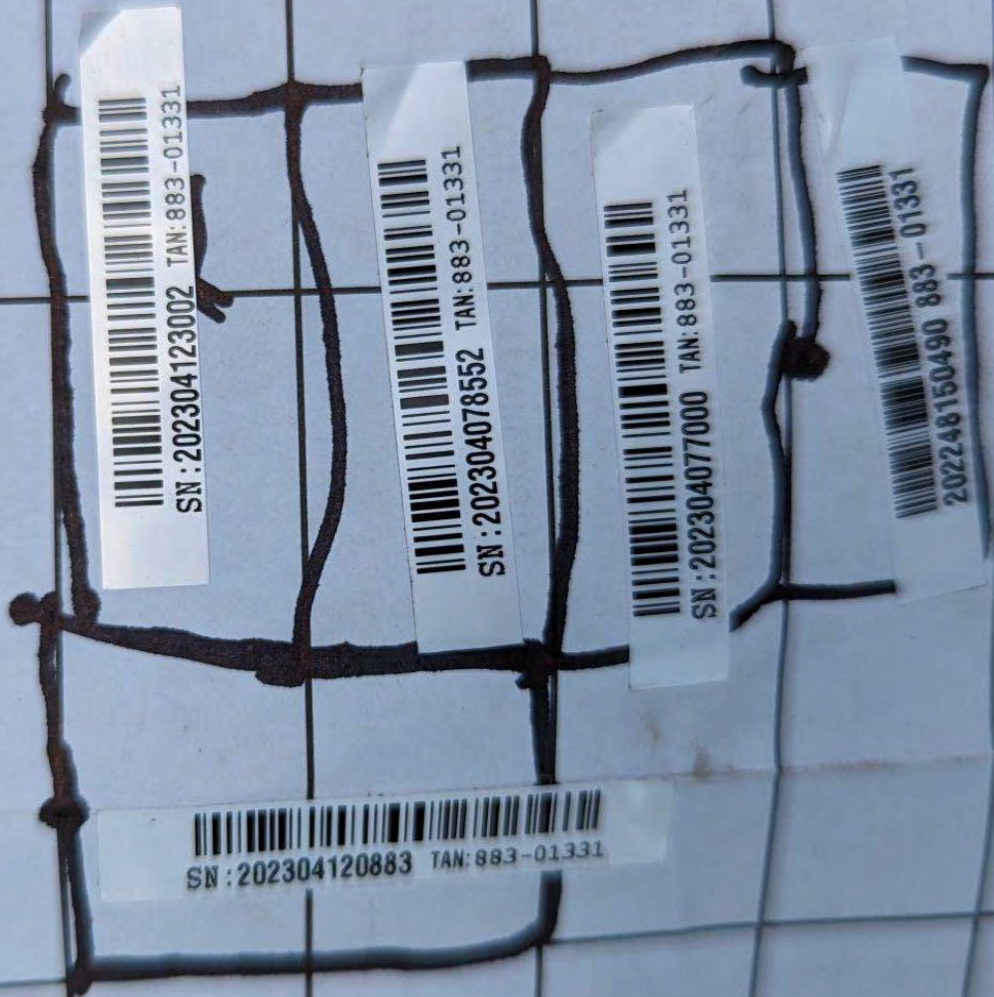
883-01331

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To Sheet / A la hoja de: ↑

6



SN : 202304123002 TAN: 883 - 01331

SN : 202304078552 TAN: 883 - 01331

SN : 202304077000 TAN: 883 - 01331

202248150490 883 - 01331

SN : 202304120883 TAN: 883 - 01331

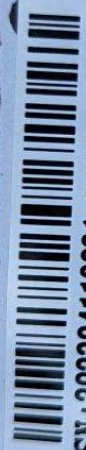



SN : 202304086932

4

3

2


SN: 202304112031 TAN: 883-01331


SN: 202304123127 TAN: 883-01331


SN: 202304086817 TAN: 883-01331

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To Sheet / A la hoja de:

SN: 202304086817 TAN: 883-01331

SN: 202304078563 TAN: 883-01331

SN: 20230418441 TAN: 883-01331

SN: 202304087614 TAN: 883-01331

202248164341 883-01331

Scan completed map and upload it to Enphase. Click "Add a New System" at <https://enlighten.enphaseenergy.com>. Use this map to build the virtual
Escanee el mapa co
en

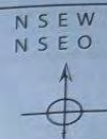


INSTALLATION MAP

Panel Group/Grupo de los paneles:
Azimuth/Azimet:
Tilt/Inclinación:
Sheet/Hoja of/de

Customer/Cliente:
Morgan, Dan-f-el

Installer/Instalador:



↑ To Sheet / A la hoja de: _____

	1	2	3	4	5	6	7	8	9
A									
B									
C									
D									
E									
F									
G									
H									
J									
K									
L									
M									

↓ To Sheet / A la hoja de: _____

Scan completed map and upload it to Enphase. Click "Add a New System" at <https://enlighten.enphaseenergy.com>. Use this map to build the virtual array in Enphase Installer Platform's Array Builder.


Escanee el mapa completo y cárguelo en Enphase. Haga clic en "Añadir nuevo sistema" en <https://enlighten.enphaseenergy.com>. Utilice este mapa para crear el conjunto de paneles virtual en el Creador de conjuntos de paneles de Enphase Installer Platform.

Gateway Serial Number Label /
Número de serie de Gateway

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.


202319114575

S/N: 
202319114575

P/N:


883-00353

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 2.8 Nm 3.0 Nm
60A Circuit Breaker only	4-1/0 AWG	5.0 Nm
IQ Gateway Breaker	14-10 AWG	2.26 Nm
Neutral and ground	Large screw	5.6 Nm (4) 5.1 Nm (4)
	Small screw	3.6 Nm (32) 2.6 Nm (23) 2.3 Nm (20)
Main lug	10-4 AWG	5.0 Nm (45)
	3-2/0 AWG	5.6 Nm (50)