









2923 HIGHWAY 87 N  
SANFORD, NC 27332


**SILFAB** SILFAB ELITE  
**SOLAR** SIL-410 BG

<b>ELECTRICAL SPECIFICATIONS</b>	
measured at Standard Test Conditions (STC):	
1000W/m <sup>2</sup> irradiance, AM <sub>1.5G</sub> spectrum, 25°C cell temperature	
<b>CARACTÉRISTIQUES ÉLECTRIQUES</b>	
mesurées dans des conditions d'essai normalisées:	
1000W/m <sup>2</sup> rayonnement, spectre de AM <sub>1.5G</sub> , température des cellules de 25°C	
Maximum Power (P <sub>max</sub> ) Puissance Nominale Maximale	410 ±10 W
Maximum Power Voltage (V <sub>mp</sub> ) Tension en Fonctionnement Optimal	38.08 V
Maximum Power Current (I <sub>mp</sub> ) Courant en Fonctionnement Optimal	10.77 A
Open Circuit Voltage (V <sub>oc</sub> ) Tension en Circuit Ouvert	45.92 V
Short Circuit Current (I <sub>sc</sub> ) Intensité de Court-Circuit	11.30 A
Maximum System Voltage Tension Maximale du Système	1000 V
Series Fuse Série Fusible	20 A
Fire Rating Classement au Feu	Type 1


 For field connections use min. 12 AWG wires suitable for a voltage of 60°C wire copper wires only.  
 Pour les connexions de terrain utilisez min 12 AWG des câbles en cuivre pour un usage de 60°C. Utilisez des fils de cuivre adaptés.


 Conforms to UL Std. 61730  
 Certified to CSA Std. 61730

TO DOWNLOAD INSTALLATION MANUAL  
 OR DATASHEET, SCAN QR-CODE OR  
 GO TO: [WWW.SILFABSOLAR.COM](http://WWW.SILFABSOLAR.COM)  
 Made in WA, USA



2923 HIGHWAY 87 N  
 SANFORD, NC 27332



**ENPHASE**

**IQ8+**

Grid Support Utility Interactive Inverter  
Maximum Power Point Tracker

Product Information: <https://enphase.com/en-us/iq8>

Output Power Factor: 1.0 (0.95-1.0)  
Grid Power Factor: 0.95-1.0  
Max. output current: 30 A  
Max. output voltage: 240 V<sub>AC</sub>  
AC Output Current: 25 A  
AC Output Voltage: 240 V<sub>AC</sub>  
AC Output Frequency: 60 Hz  
AC Output Phase: Single  
AC Output Protection: 300 mA  
Operating Temperature: -40 to +65 °C  
Storage Temperature: -40 to +70 °C  
Relative Humidity: 5% to 95%  
IP Rating: IP65  
UL 1741 and UL 1741-2 Compliant

UL LISTED  
UL 1741 and UL 1741-2 Compliant

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 ELECTRIC SHOCK! COVER REMOVED. NO USER-REMOVABLE PARTS INSIDE. REFER TO SERVICE TO QUALIFY SERVICE TECHNICIAN.

**WARNING:** ELECTRIC SHOCK HAZARD. DC CONDUCTORS OF THIS PHOTOVOLTAIC SYSTEM ARE ENERGIZED AND MAY BE CONNECTED TO AC LINE. DO NOT TOUCH TERMINALS UNLESS YOU ARE QUALIFIED TO DO SO. DO NOT TOUCH TERMINALS UNLESS YOU ARE QUALIFIED TO DO SO. DO NOT TOUCH TERMINALS UNLESS YOU ARE QUALIFIED TO DO SO. DO NOT TOUCH TERMINALS UNLESS YOU ARE QUALIFIED TO DO SO.

**ATTENTION:** RISK D'ÉLECTROCUTION. LES CONDUCTEURS DE CE SYSTÈME PHOTOVOLTAÏQUE NE SONT PAS RELIÉS À LA TERRE ET PEUVENT ÊTRE SOUS TENSION. DES SOURCES D'ÉNERGIE DE CC SONT CONNECTÉES À CET APPAREIL. NE TOUCHEZ PAS LES BORNES DE CONTACT À MOINS D'ÊTRE QUALIFIÉ POUR LE FAIRE. NE TOUCHEZ PAS LES BORNES DE CONTACT À MOINS D'ÊTRE QUALIFIÉ POUR LE FAIRE. NE TOUCHEZ PAS LES BORNES DE CONTACT À MOINS D'ÊTRE QUALIFIÉ POUR LE FAIRE.

Made in the USA  
from imported parts

Galaxy A13 5G



Galaxy A13 5G



*Galaxy A13 5G*



*Galaxy A13 5G*





*Galaxy A13 5G*



*Galaxy A13 5G*



*Galaxy A13 5G*



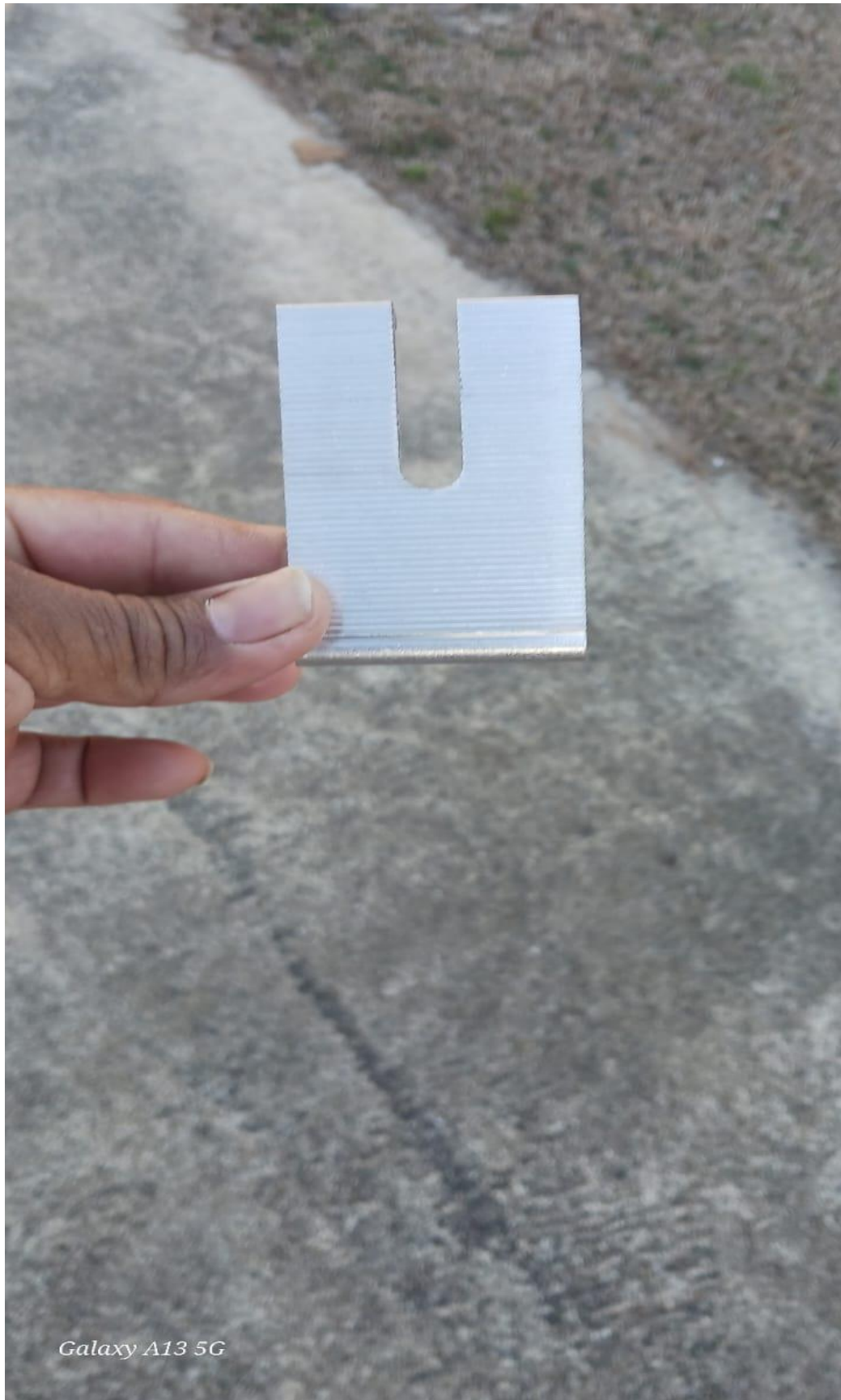
*Galaxy A13 5G*



*Galaxy A13 5G*



*Galaxy A13 5G*



*Galaxy A13 5G*



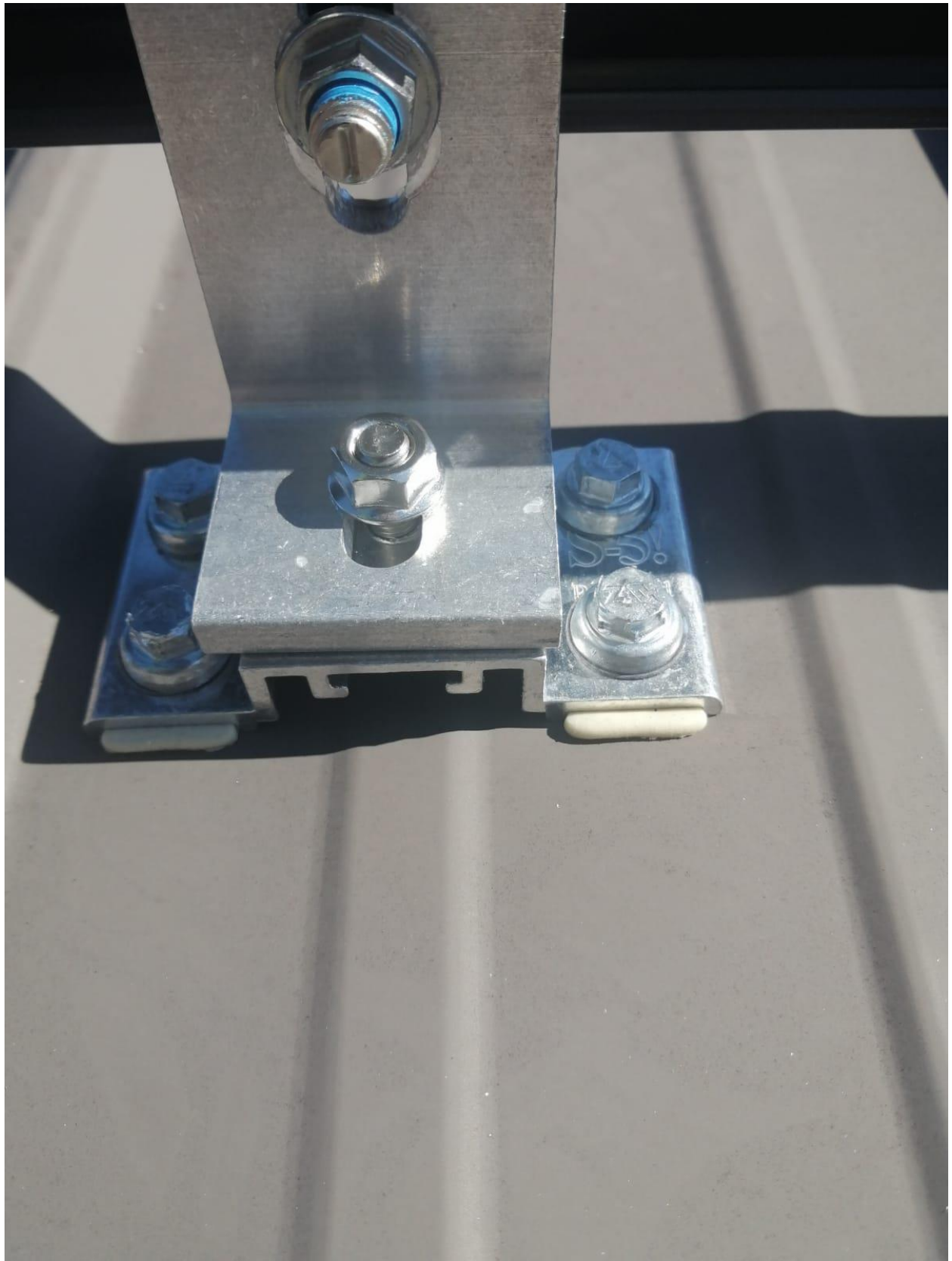
*Galaxy A13 5G*

















PEGASUS  
SOLAR

PEGASUS  
SOLAR







UL  
CERTIFIED  
SAFETY LISTED  
E485080

066

540-00387-17  
250VAC 20A  
+70°C 2318



840-00387-17  
250VAC 20A  
+79°C 2318

UL  
CERTIFIED  
SAFETY US/CSA  
E486080

065

AC

DC=



Made in the USA  
from imported parts



**ATTENTION:** RISK OF ELECTRIC SHOCK. DO NOT TOUCH. CONTACTS OF THIS PHOTOVOLTAIC SYSTEM ARE UNGROUNDING AND MAY BE ENERGIZED. NO AND DC VOLTAGE SOURCES TERMINATE INSIDE THIS EQUIPMENT. DISCONNECT BOTH BEFORE SERVICING. PHOTOVOLTAIC ARRAY SUPPLIES A DC VOLTAGE TO THIS EQUIPMENT WHEN EXPOSED TO LIGHT. HOT SURFACES TO REDUCE THE RISK OF BURNS - DO NOT TOUCH. CONTACTS OF DC OR SYSTEM PHOTOVOLTAIC ARE NOT PAS RELAYS LA TENSION ET PEUVENT ETRE SOUS TENSION. DES CONTACTS DE TENSION CA ET DOSSONT CONNECTES A COT APRES. POUR EN LES DEBRANCHER CONTINU SOUS TENSION INTERVENIR. LES CABLES CONTINU SOUS TENSION LA TENSION RISQUE DE BRULURE. NE PAS TOUCHER.

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Patent information: [enphase.com/patents](http://enphase.com/patents)

Grid Support Utility Interactive Inverter  
Multiport Inverter

IQ8+

ENPHASE

UL  
Type B  
Max. input continuous current: 18 A  
Max. input short-circuit current: 25 A  
DC input range: 50-60 VDC  
Grid Feed Power Factor: +0.95  
Off-grid Power Factor: -1.0 to +1  
Patent information: [enphase.com/patents](http://enphase.com/patents)

AC output voltage: 240 VAC  
AC output current: 12.1 A  
AC output frequency: 60 Hz  
AC output power (max. continuous): 3370 VA  
Operating temperature: -40 to +60 °C  
IP65  
UL  
Type B  
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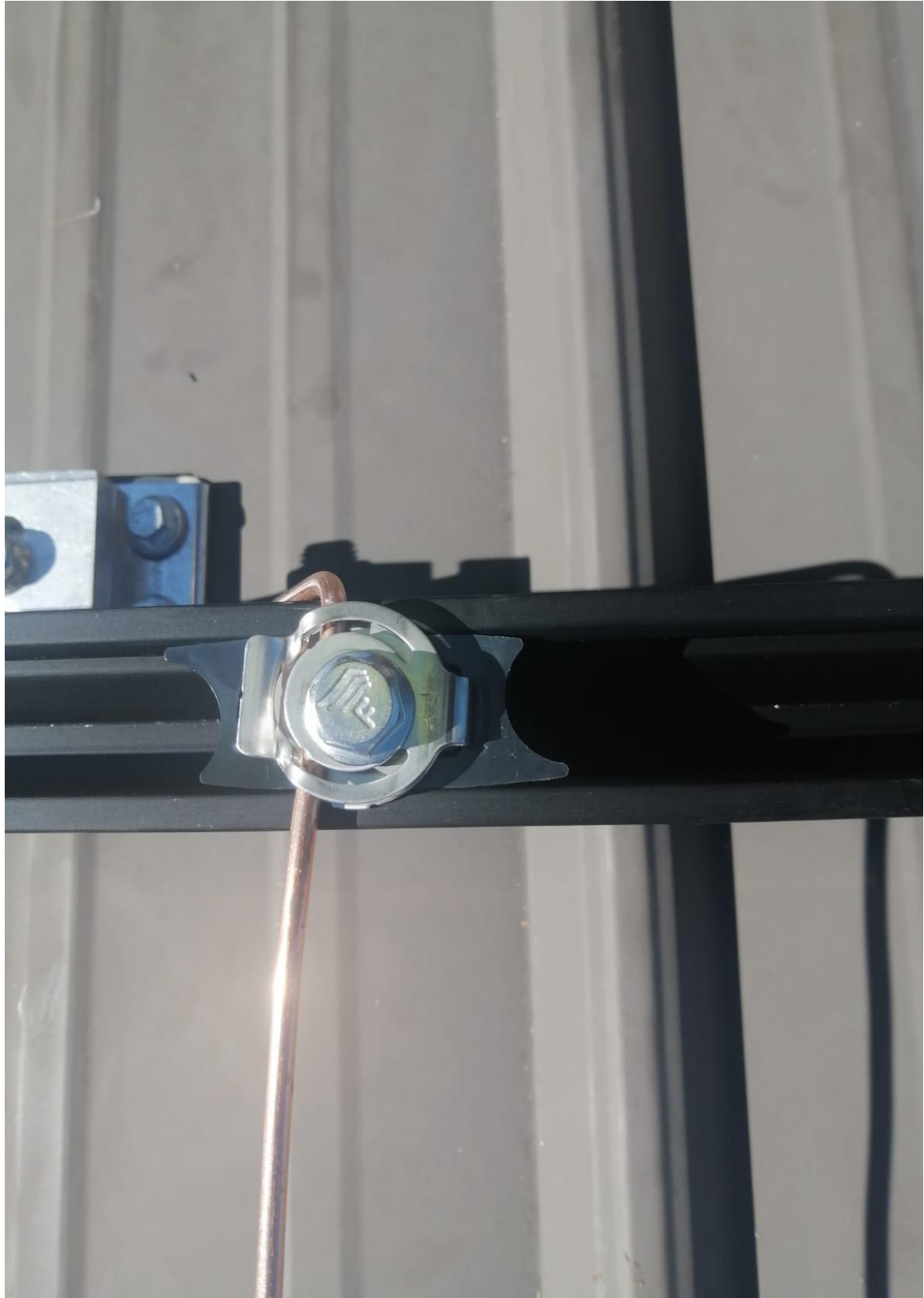
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Patent information: [enphase.com/patents](http://enphase.com/patents)

065

Don't disconnect under load

PREGASOL SOLAR

100





FT4 SINBON BARRIS

oil res | sunlight resistant

12AWG -40C

wet 2/C

dry /

90C

TTHN/THWN-2

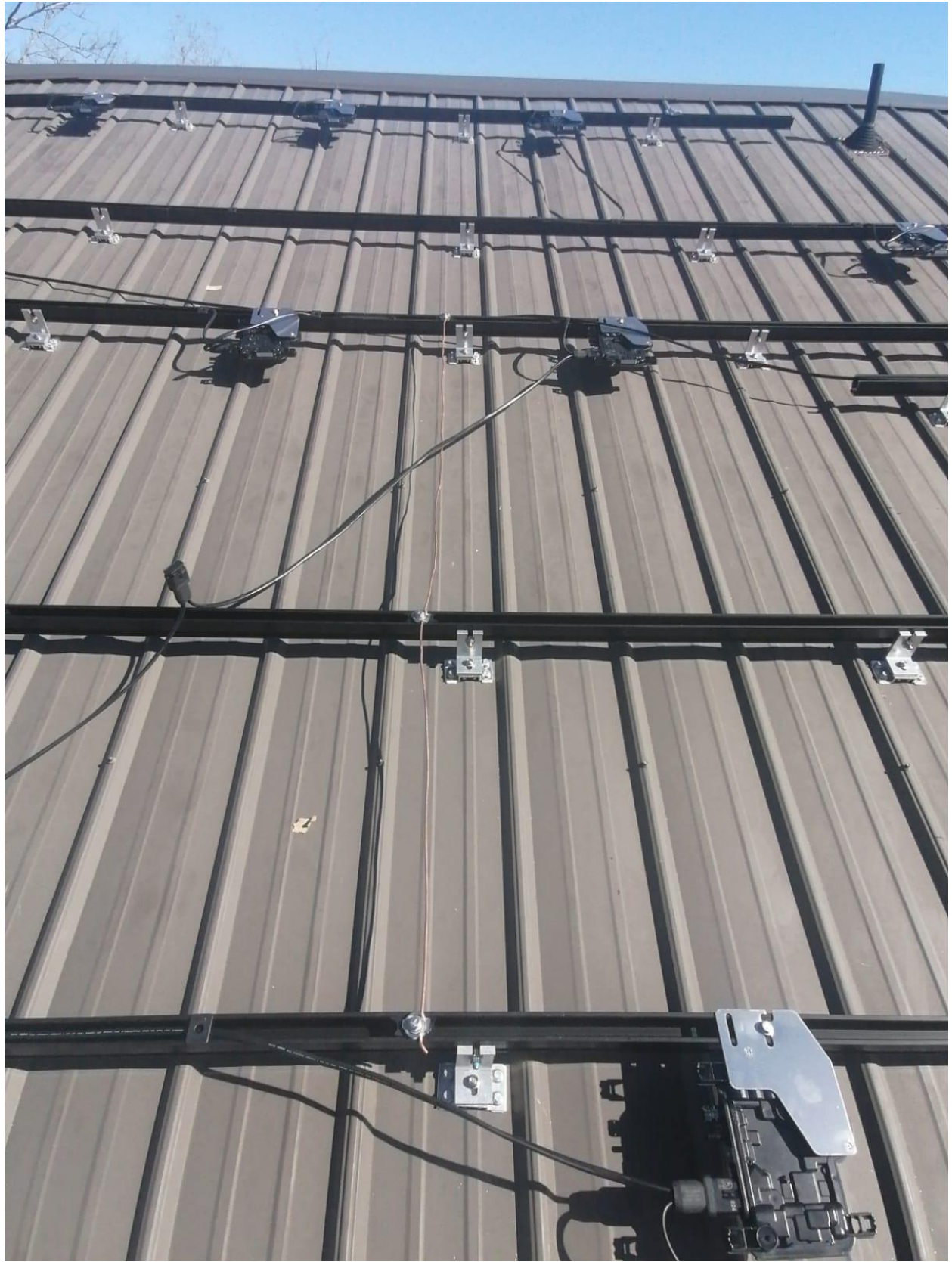
600V

Type DG

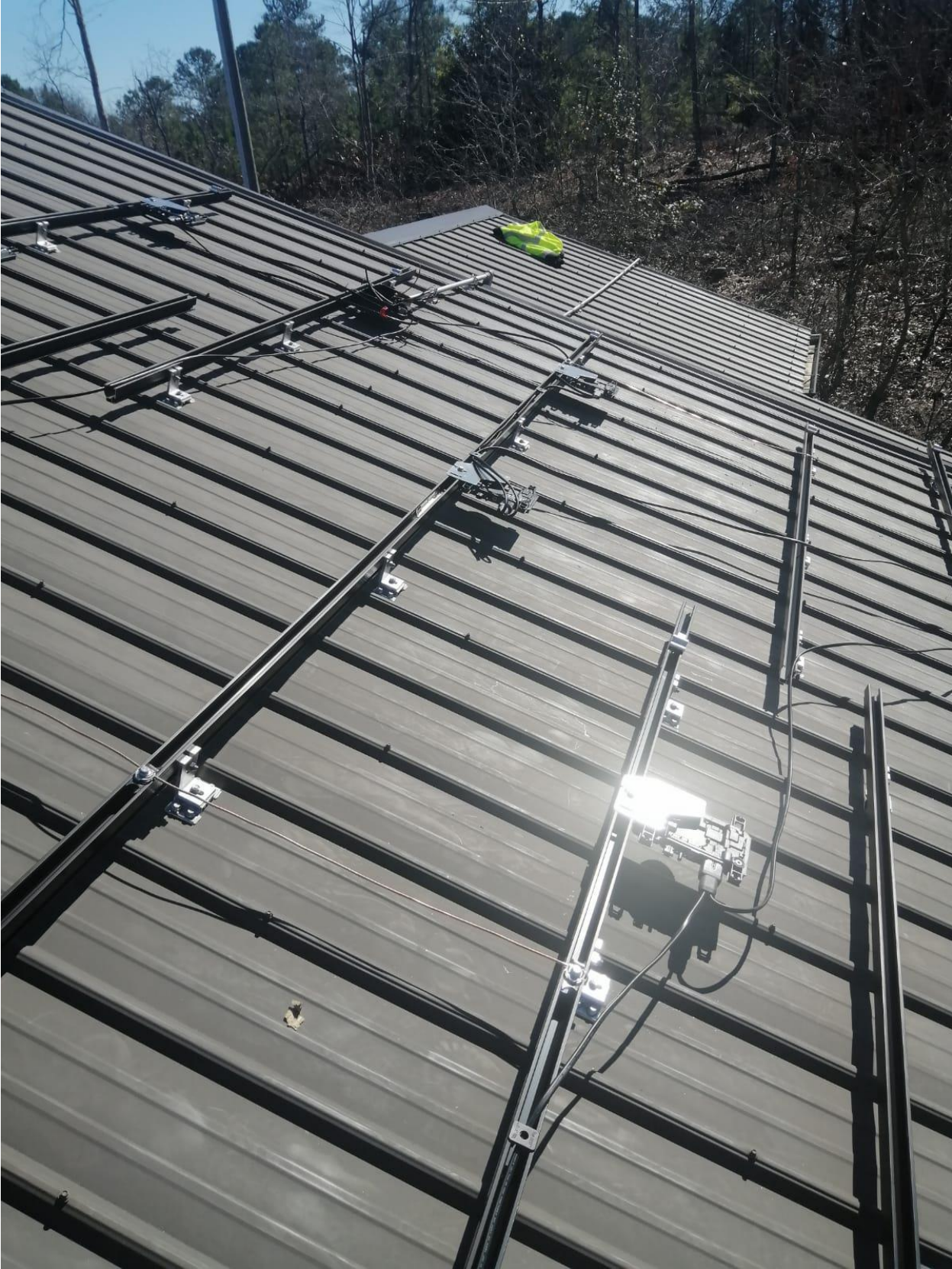
84-B (UL)











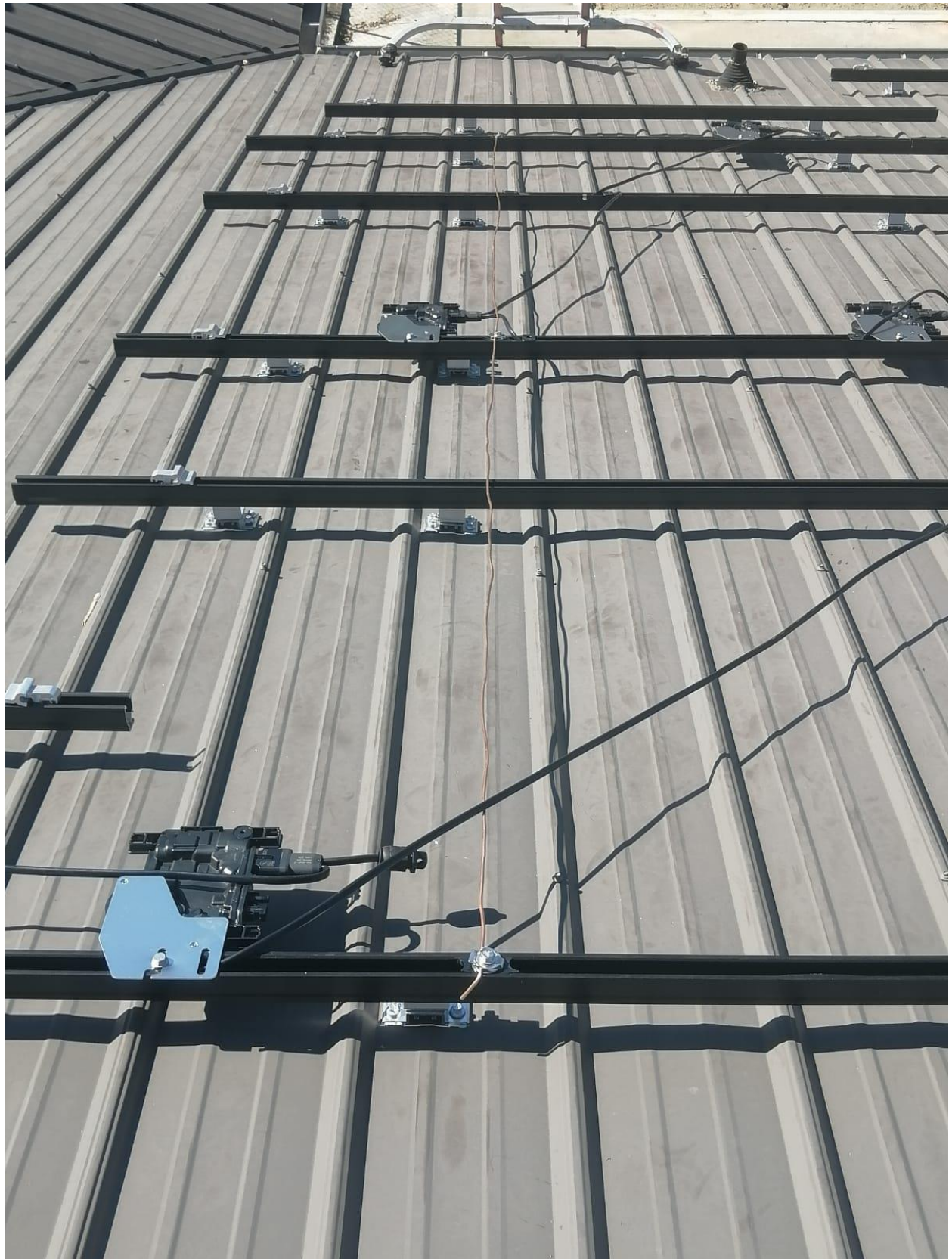








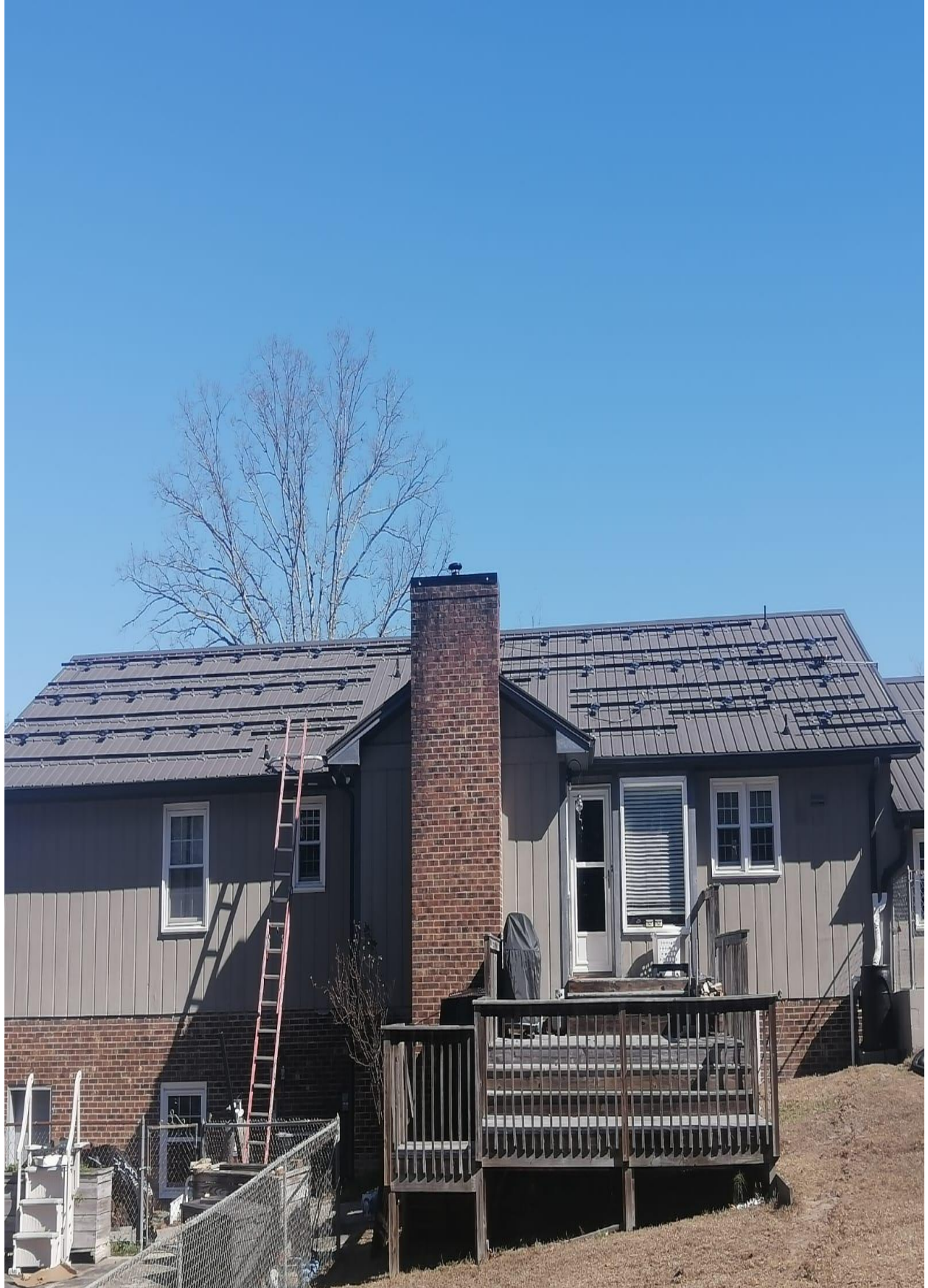


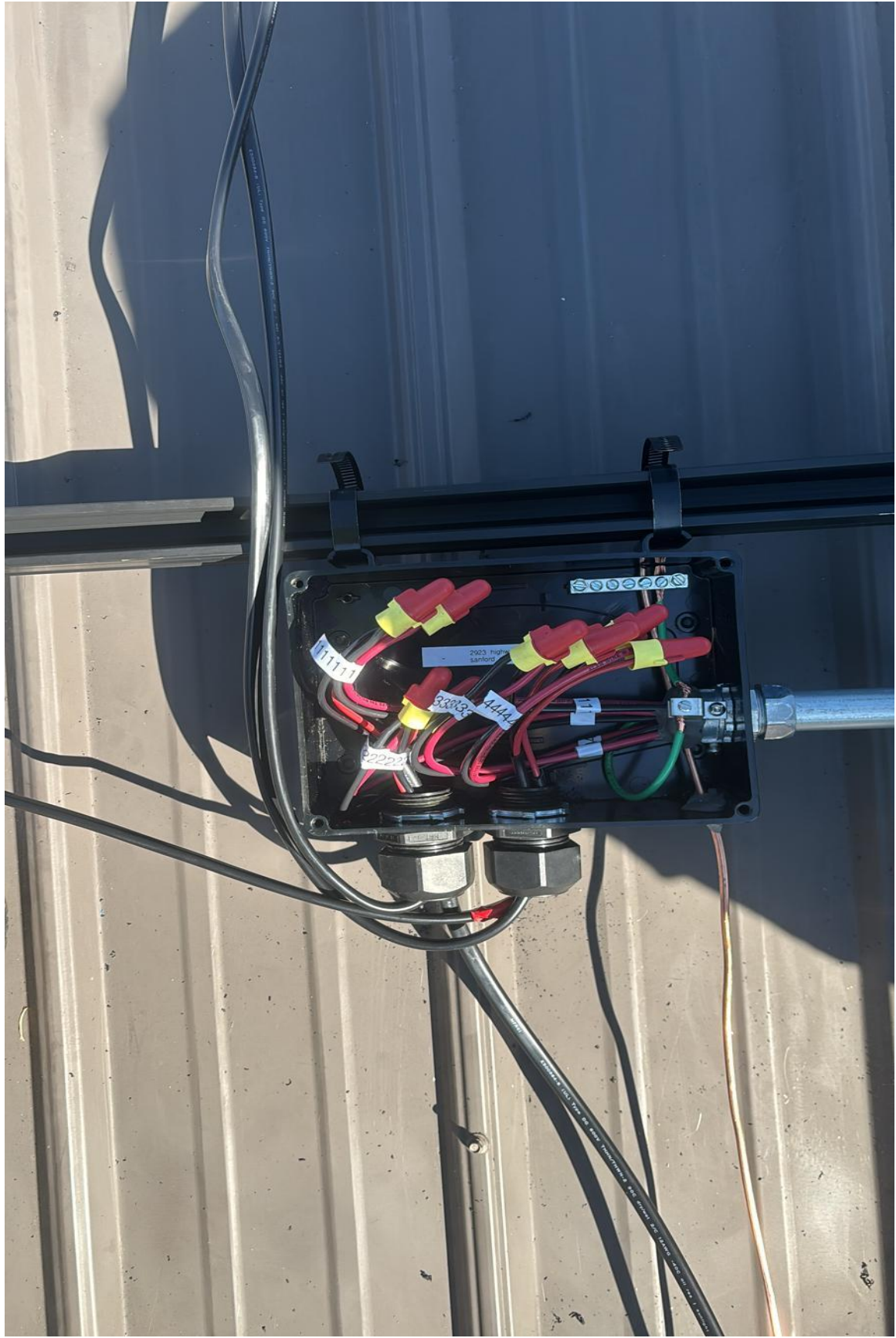


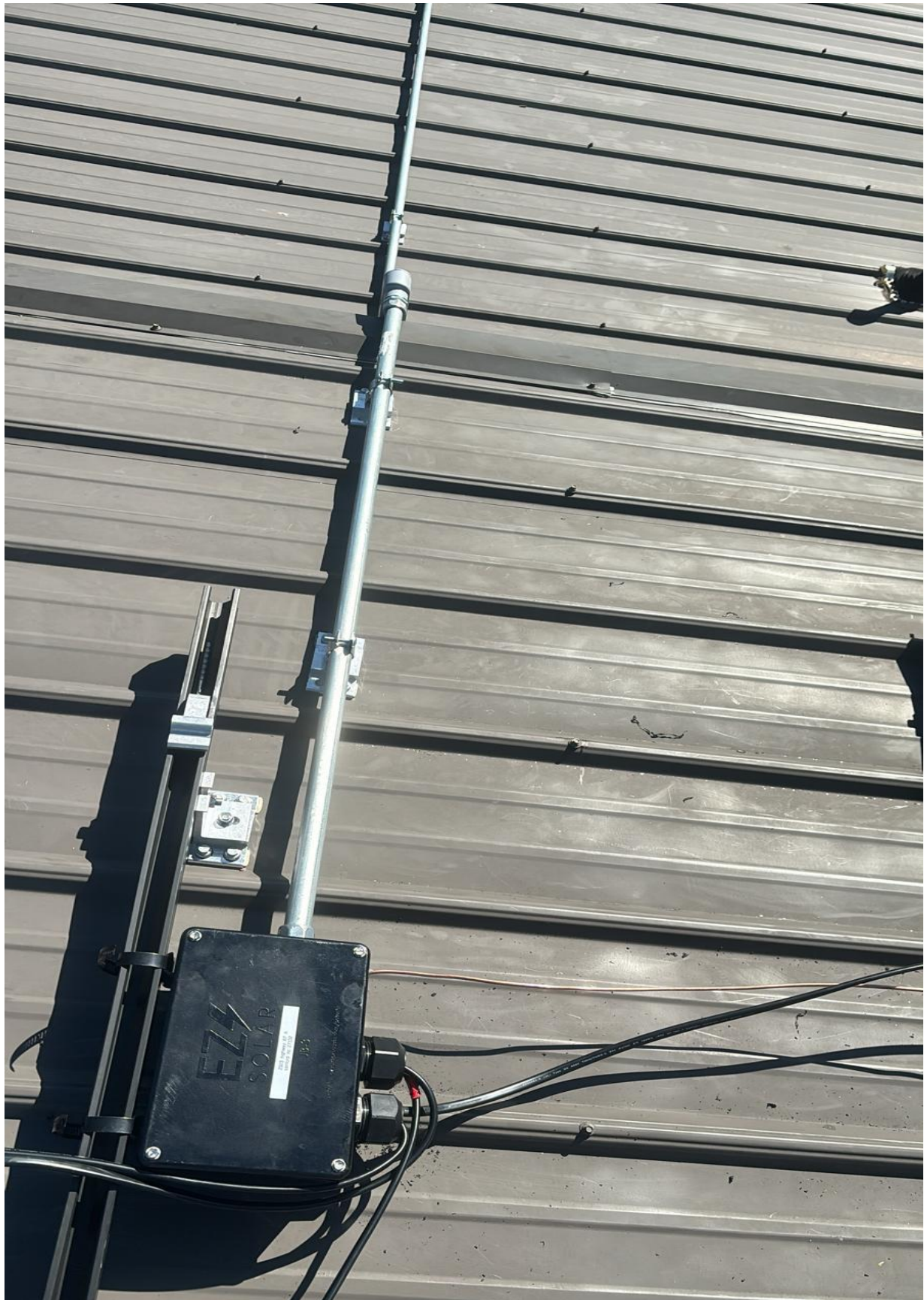














EZ4  
SOLAR

2923 highway 87 n  
sanford nc 27332

JB-3

Patented ez4solarproducts.com/patents

DC oil res 1 sunlight resistant FTS 60000V 1024

100% UV resistant FTS 60000V 1024

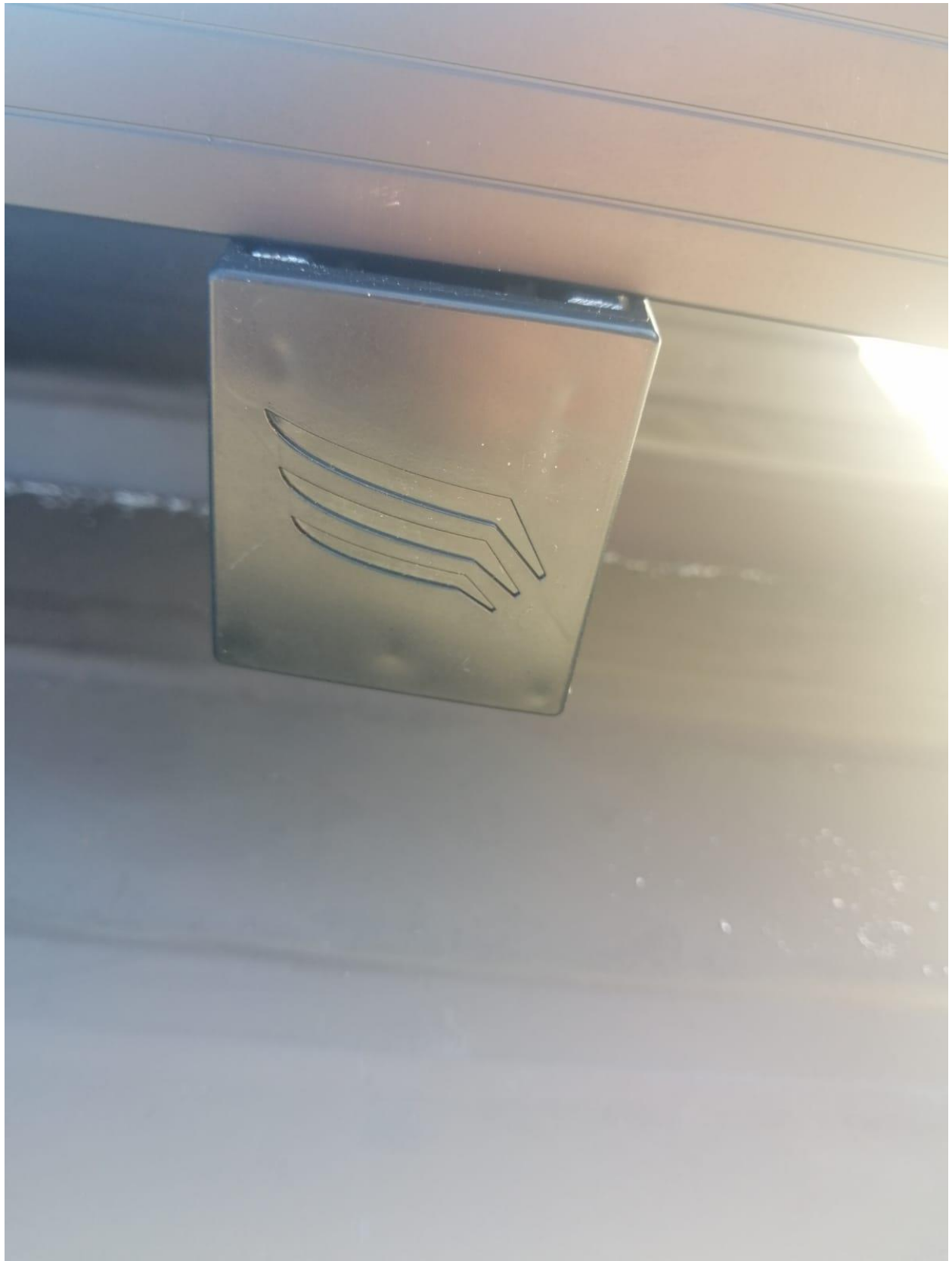






























ENPHASE

SERVICE DISCONNECT LOCATED IN THE  
SOLAR AC DISCONNECT LOCATED AT  
BATTERY

# ENPHASE

SERVICE DISCONNECT LOCATED IN THE

ENPHASE CONTROLLER  
BESIDE UTILITY METER

pvlabs.com 3-615

SOLAR AC DISCONNECT LOCATED AT

SOUTH SIDE WALL  
BESIDE THE UTILITY METER

pvlabs.com 3-615

BATTERY

pvlabs.com

03-395





**CAUTION**  
LIFT USING HANDLES ONLY.  
DO NOT REST ANYTHING  
AGAINST THE FCUBS!

**ENPHASE**  
IQ Battery 5P

Model & Serial Labels  
Barcode  
Serial Number: 101-11222-08-45-10/2018-1-28-11-23  
Part Number: 101-11222-08-45-10/2018-1-28-11-23  
Capacity: 5.0 kWh  
Voltage: 48V AC  
Frequency: 60 Hz  
Power Factor: 0.95  
Efficiency: 95%  
Operating Temperature: -20°C to 50°C  
Storage Temperature: -30°C to 60°C  
Weight: 25 kg (55 lbs)  
Dimensions: 450 mm x 250 mm x 150 mm  
Safety: Class II, Double Insulated  
UL Listed: UL 1973, UL 1974  
CE Marked: CE  
RoHS Compliant: Yes  
RECYCLED CONTENT: 100%  
WARRANTY: 10 Year Limited Warranty

BATTERY TYPE: Li-Ion  
BATTERY CAPACITY: 5.0 kWh  
BATTERY NOMINAL VOLTAGE: 48 VDC  
ENTER TO HANDLE AND DISPOSAL  
REQUIREMENTS IN PRODUCT MANUAL

SCAN HERE FOR  
LATEST QIG

**WARNING ATTENTION**  
RISK OF ELECTRIC SHOCK. ENERGY  
STORAGE AND ELECTRICAL HAZARD  
DURING OPERATION.  
RISQUE D'ÉLECTROCUTION/GAMMAGE  
DURANT LE FONCTIONNEMENT.  
NE PAS DÉMANTER.

RISK OF ELECTRIC SHOCK  
DO NOT REMOVE THIS COVER.  
SERVICE WORK SHOULD ONLY BE  
PERFORMED BY A QUALIFIED PERSON

**CAUTION!**  
FOLLOW THE SEQUENCE SHOWN TO PARTIALLY  
TIGHTEN THE SIX SCREWS TO FULL TORQUE. ALL THE  
SCREWS TO MAX 1.5 x 0.35 Nm AT MAX 1000RPM.  
ONLY AFTER ALL OF THEM ARE IN POSITION.

**ON-OFF  
CONTROL SWITCH**

**WARNING** **AVERTISSEMENT**

**RISK OF ELECTRIC SHOCK**  
DO NOT REMOVE THIS COVER.  
SERVICE WORK SHOULD ONLY BE  
PERFORMED BY A QUALIFIED PERSON

**RISQUE D'ÉLECTROCUTION**  
NE PAS RETIRER LE CARENAGE.  
SEUL UN TECHNICIEN QUALIFIÉ EST HABILITÉ  
À RÉPARER OU À ENTREtenir CET APPAREIL.

**DO NOT USE  
IMPACT DRIVERS  
AND DRILLS  
TO FASTEN  
LOOSEN THE  
SCREWS**

**CAUTION!**  
FOLLOW THE SEQUENCE SHOWN TO PARTIALLY  
TIGHTEN THE SIX SCREWS TO FULL TORQUE. ALL THE  
SCREWS TO MAX 1.5 x 0.35 Nm AT MAX 1000RPM.  
ONLY AFTER ALL OF THEM ARE IN POSITION.

**SCREW FASTENING  
SEQUENCE**

**INSTRUCTIONS TO REMOVE THE BATTERY COVER FOR  
REPLACEMENT PURPOSES:**  
1. Loosen the six screws to remove the battery cover as  
indicated in the diagram. Tighten the screws to  
max 1.5 x 0.35 Nm at max 1000RPM.  
2. Remove the battery cover and set it aside.  
3. Disconnect the battery pack from the battery cover  
by pulling the battery pack out of the cover.  
4. Reconnect the battery pack to the battery cover  
by pushing the battery pack into the cover.  
5. Tighten the six screws to secure the battery cover  
to the battery pack.

**INSTRUCTIONS TO ASSEMBLE THE BATTERY COVER AFTER  
REPLACEMENT PURPOSES:**  
1. Push the battery cover into the battery pack as  
indicated in the diagram. Tighten the screws to  
max 1.5 x 0.35 Nm at max 1000RPM.  
2. Tighten the six screws to secure the battery cover  
to the battery pack.

**DE-ENERGIZING INSTRUCTIONS**  
**CAUTION!**  
1. Turn the control switch OFF.  
2. Turn the control switch ON.  
3. Turn the control switch OFF.  
4. Turn the control switch ON.  
5. Turn the control switch OFF.  
6. Turn the control switch ON.  
7. Turn the control switch OFF.  
8. Turn the control switch ON.  
9. Turn the control switch OFF.  
10. Turn the control switch ON.

**RE-ENERGIZING INSTRUCTIONS**  
**CAUTION!**  
1. Turn the control switch ON.  
2. Turn the control switch OFF.  
3. Turn the control switch ON.  
4. Turn the control switch OFF.  
5. Turn the control switch ON.  
6. Turn the control switch OFF.  
7. Turn the control switch ON.  
8. Turn the control switch OFF.  
9. Turn the control switch ON.  
10. Turn the control switch OFF.

101-11222 08 45 / 10/2018 1 28 11 23



















