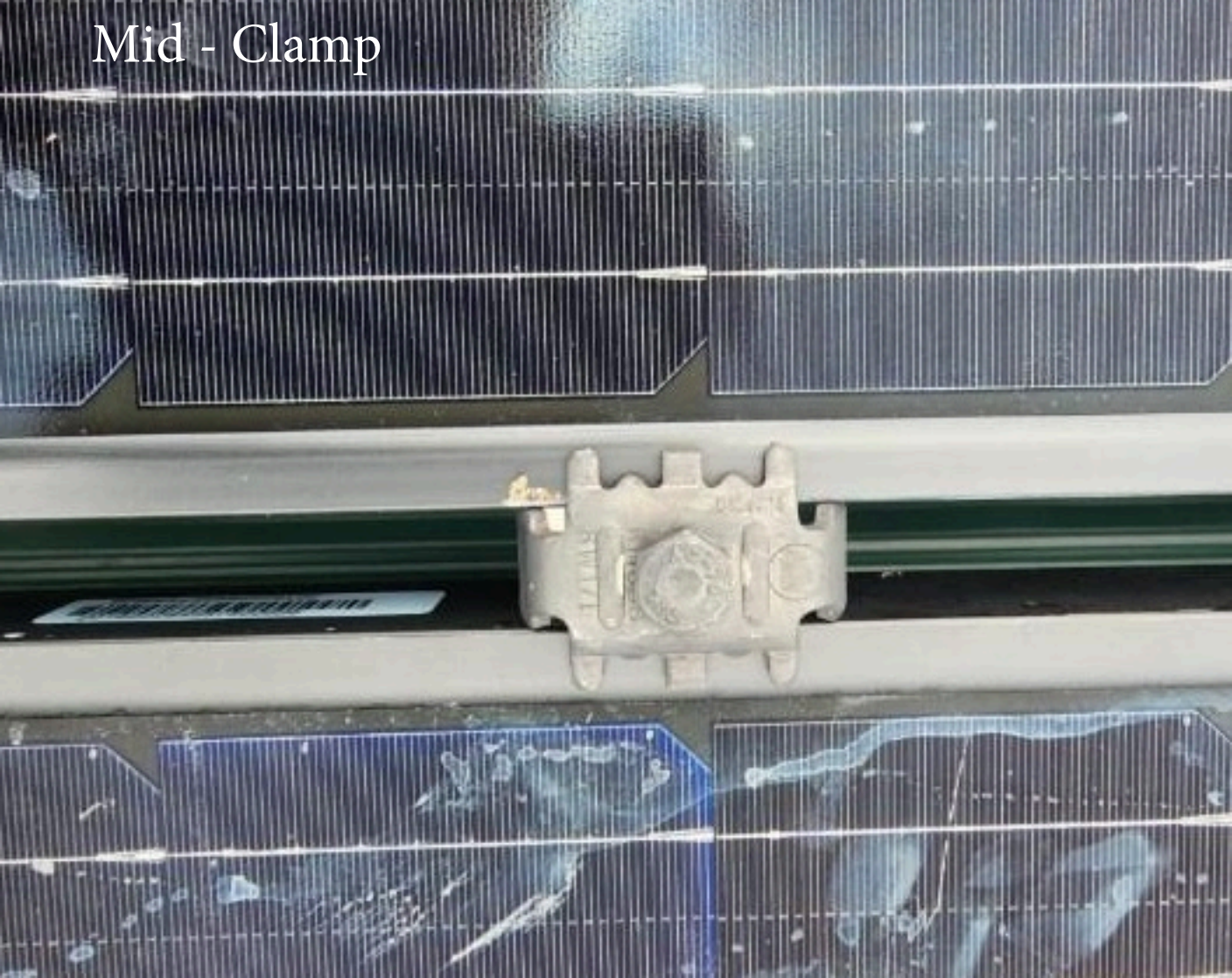
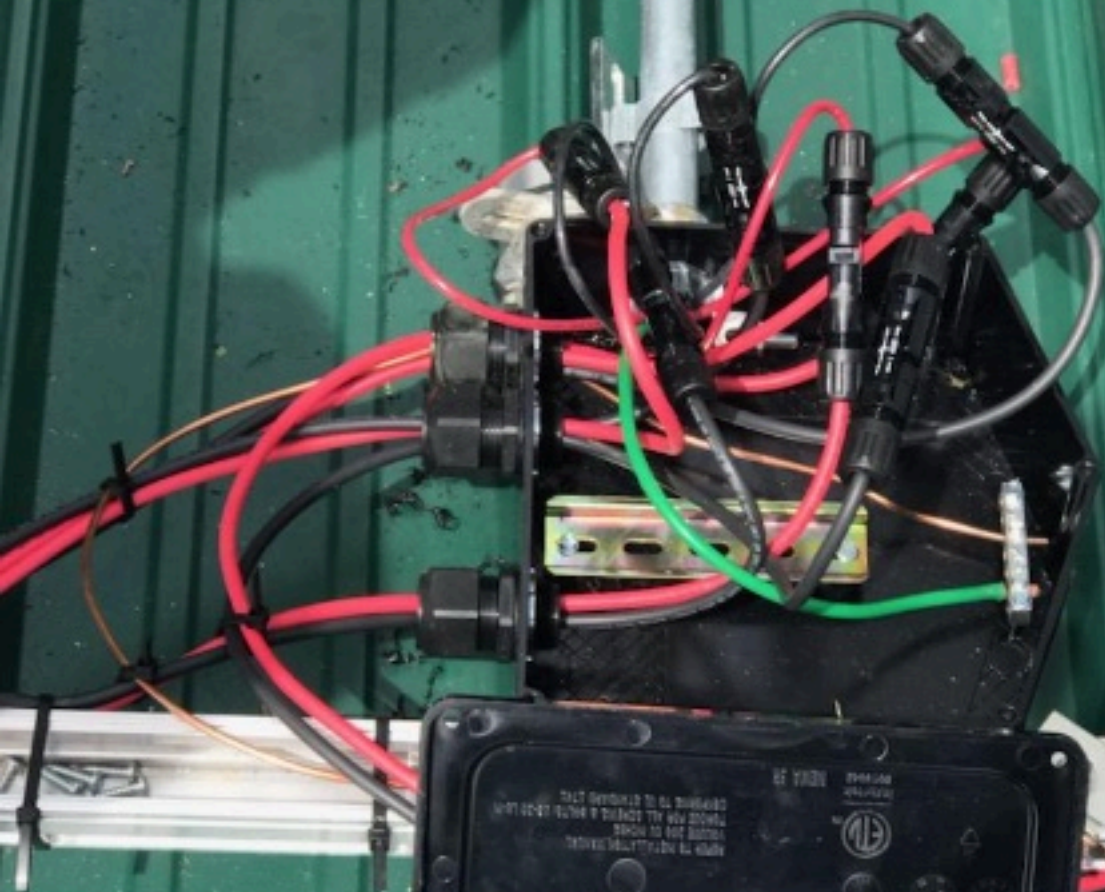


Mid - Clamp



# Completed Junction Box



BE AWARE  
NEVER BE  
WARNING  
WARNING  
8/11/2022  
46 Blanch Johnson Rd.  
Garcia  
TSR113588: Maria Luisa  
Charlie the Team 1

# Bonding Lug

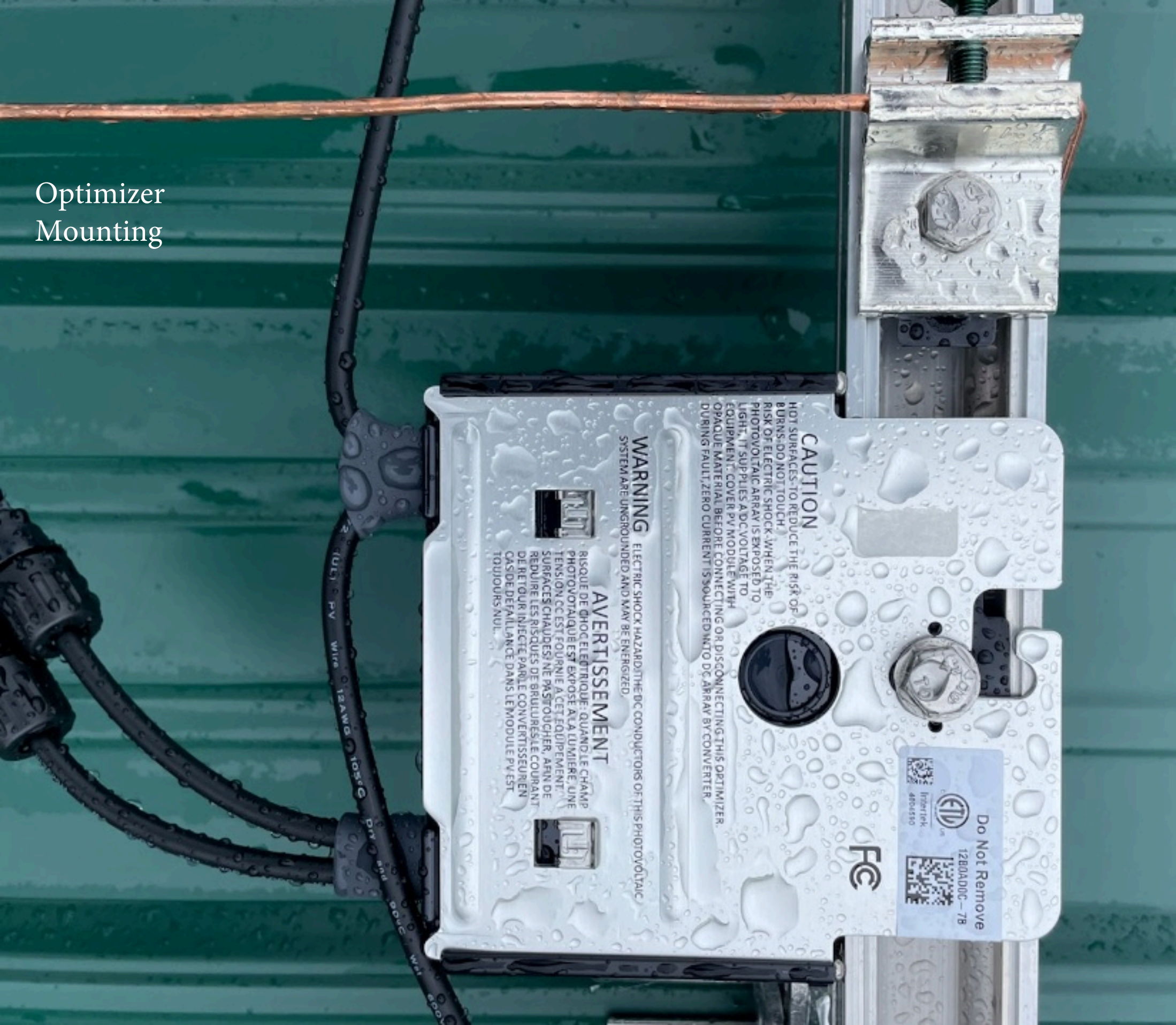


**CAUTION**  
NOT SUITABLE TO USE IN A HAZARDOUS AREA.  
NEVER TOUCH THE LUG OR WIRE WHILE THE SYSTEM IS ENERGIZED. ALWAYS WEAR APPROPRIATE PPE.  
DO NOT TOUCH THE LUG OR WIRE WHILE THE SYSTEM IS ENERGIZED. ALWAYS WEAR APPROPRIATE PPE.  
DO NOT TOUCH THE LUG OR WIRE WHILE THE SYSTEM IS ENERGIZED. ALWAYS WEAR APPROPRIATE PPE.  
DO NOT TOUCH THE LUG OR WIRE WHILE THE SYSTEM IS ENERGIZED. ALWAYS WEAR APPROPRIATE PPE.

**WARNING** ELECTRIC SHOCK HAZARD. USE IN CONFORMANCE OF THE APPLICABLE STANDARDS AND REGULATIONS.  
**AVERTISSEMENT** RISQUE DE CHOC ELECTRIQUE. UTILISER EN CONFORMITE AVEC LES NORMES ET REGLEMENTS APPLICABLES.

Do Not Remove  
Label  
FC  
UL  
CSA  
CE

# Optimizer Mounting



Do Not Remove  
12B0ADD0C-7B  
EITL  
Hybertek  
48P4550

FC

### CAUTION

HOT SURFACES-TO REDUCE THE RISK OF BURNS, DO NOT TOUCH.  
RISK OF ELECTRIC SHOCK- WHEN THE PHOTOVOLTAIC ARRAY IS EXPOSED TO LIGHT, IT SUPPLIES A DC VOLTAGE TO EQUIPMENT. COVER PV MODULE WITH OPAQUE MATERIAL BEFORE CONNECTING OR DISCONNECTING THIS OPTIMIZER. DURING FAULT, ZERO CURRENT IS SQUANCED INTO DC ARRAY BY CONVERTER.

**WARNING** ELECTRIC SHOCK HAZARD! THE DC CONDUCTORS OF THIS PHOTOVOLTAIC SYSTEM ARE UNGROUNDED AND MAY BE ENERGIZED.

### AVERTISSEMENT

RISQUE DE CHOC ELECTRIQUE: QUAND LE CHAMP PHOTOVOLTAIQUE EST EXPOSE A LA LUMIERE, UNE TENSION CC EST FOURNIE A CET EQUIPEMENT. SURFACES CHAUDES! NE PAS TOUCHER. AFIN DE REDUIRE LES RISQUES DE BRULURES, LE COURANT DE RETOUR INJECTE PAR LE CONVERTISSEUR EN CAS DE DETAILLANCE DANS LE MODULE PV EST TOUJOURS NUL.



# Optimizer

**WARNING** ELECTRIC SHOCK HAZARD: THE DC CONDUCTORS OF THIS PHOTOVOLTIC SYSTEM ARE UNGROUNDED AND MAY BE ENERGIZED.

**AVERTISSEMENT**

RISQUE DE CHOC ELECTRIQUE: QUAND LE CHAMP PHOTOVOLTAIQUE EST EXPOSE A LA LUMIERE, UNE TENSION CC EST FOURNIE A CET EQUIPEMENT. SURFACES CHAUDES: NE PAS TOUCHER, AFIN DE REDUIRE LES RISQUES DE BRULURES LE COURANT DE RETOUR INJECTE PAR LE CONVERTISSEUR EN CAS DE DEFILANCE DANS LE MODULE PV EST TOUJOURS NUL.

BURNS, DO NOT TOUCH PHOTOVOLTAIC ARRAYS EXPOSED TO LIGHT, IT SUPPLIES A DC VOLTAGE TO EQUIPMENT COVER PV MODULE WITH OPaque MATERIAL BEFORE CONNECTING OR DISCONNECTING THIS OPTIMIZER. DURING FAULT ZERO CURRENT IS SOURCED INTO DC ARRAY BY CONVERTER.

FC

Do Not Remove  
12809E00-3D





Roof  
Attachment

Bonding Lug





Completed Array





Module Label with Landmark





Everest Solar Systems, LLC  
RailConn CR 44-X, Struct Set, M11  
GCD Protection Rating 30 AMP  
Conforms to ANSI/UL 2703  
06/17/22

UL listing of Racking Structure



Racking completed

**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



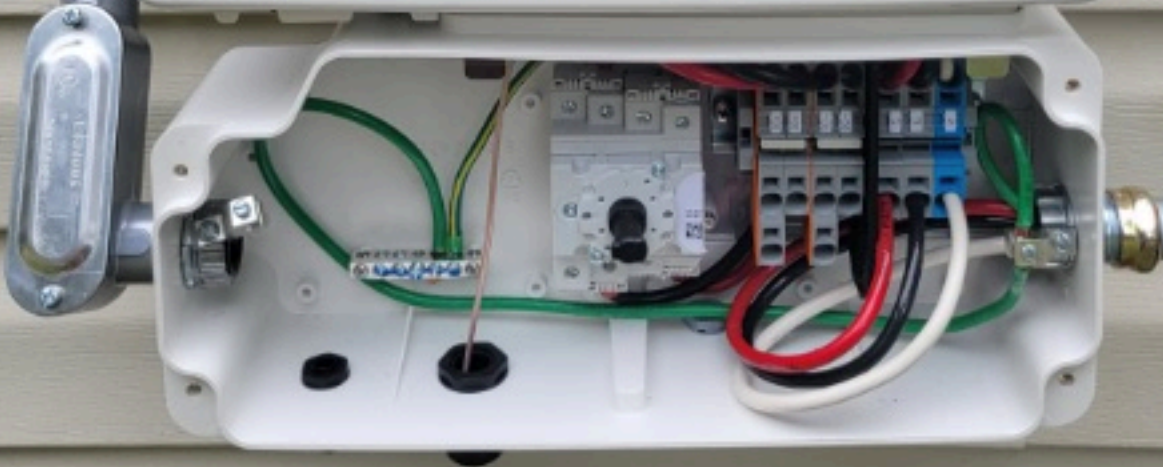
**⚠ WARNING**  
**ELECTRICAL SHOCK HAZARD**  
TERMINALS ON THE LINE AND  
LOAD SIDES MAY BE ENERGIZED  
IN THE OPEN POSITION

**⚠ WARNING**  
**ELECTRIC SHOCK HAZARD**  
DO NOT TOUCH TERMINALS  
TERMINALS ON BOTH THE LINE AND  
LOAD SIDES MAY BE ENERGIZED  
IN THE OPEN POSITION

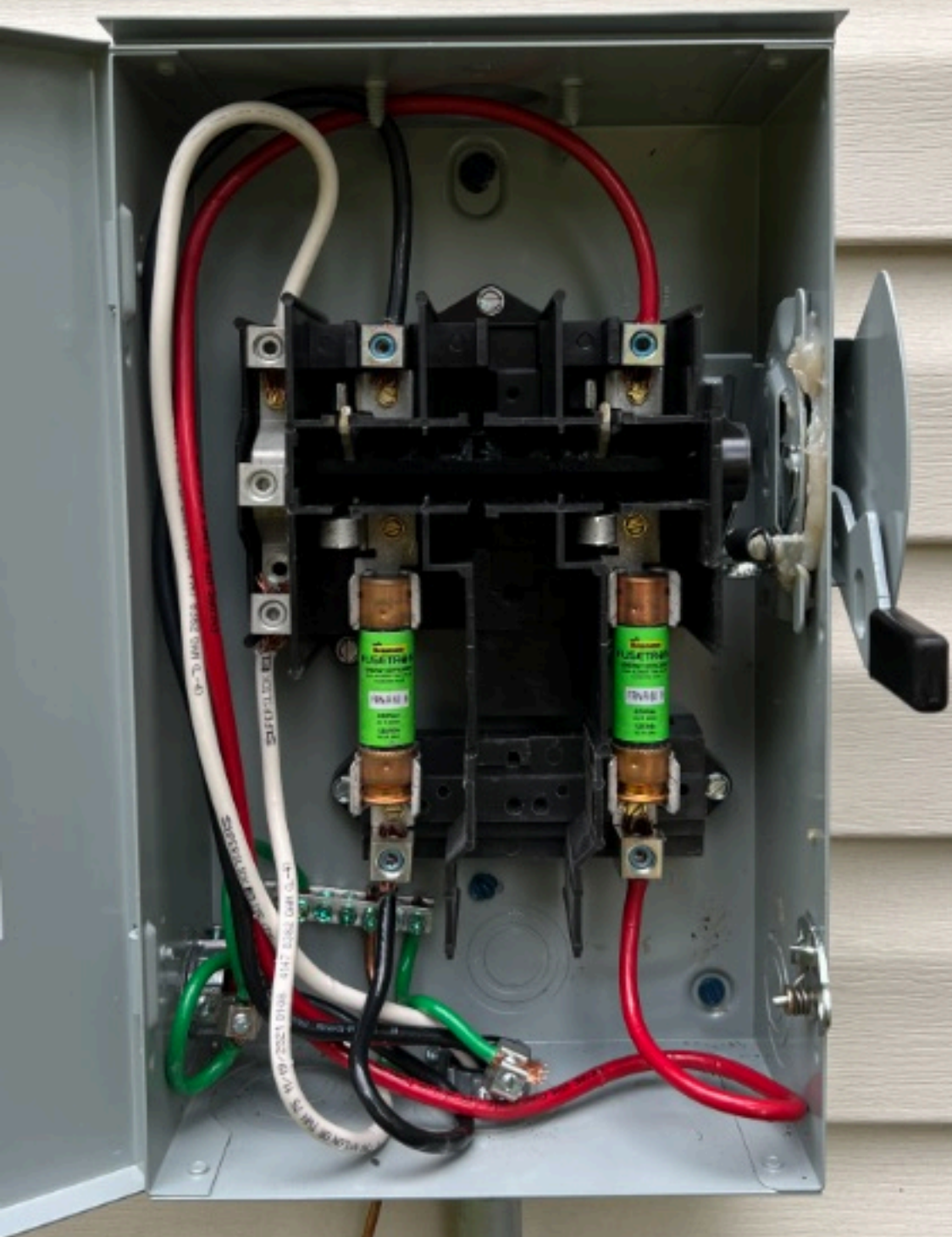
Inverter Wired

solar**edge**

**HD** wave



# AC Disconnect



# Racking



Bonding  
Lug



**CAUTION**

READ INSTRUCTIONS BEFORE THE WORK BEGINS AND DO NOT TOUCH THE WIRE OR ELECTRICAL WORK UNLESS YOU ARE A QUALIFIED PERSON. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN DEATH OR SERIOUS INJURY. ALWAYS WEAR APPROPRIATE PPE. CONTACT YOUR LOCAL REGULATORY AGENCY FOR MORE INFORMATION.

**WARNING**

SEE THE USER MANUAL FOR MORE INFORMATION.



**AVE**

AVOID CONTACT WITH THE WIRE OR ELECTRICAL WORK UNLESS YOU ARE A QUALIFIED PERSON. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN DEATH OR SERIOUS INJURY. ALWAYS WEAR APPROPRIATE PPE. CONTACT YOUR LOCAL REGULATORY AGENCY FOR MORE INFORMATION.

SolarEdge

340W/5-60V/15A

8-48V/11A

1V

NA29  
China

SJ0520A-012B09EDD-3D

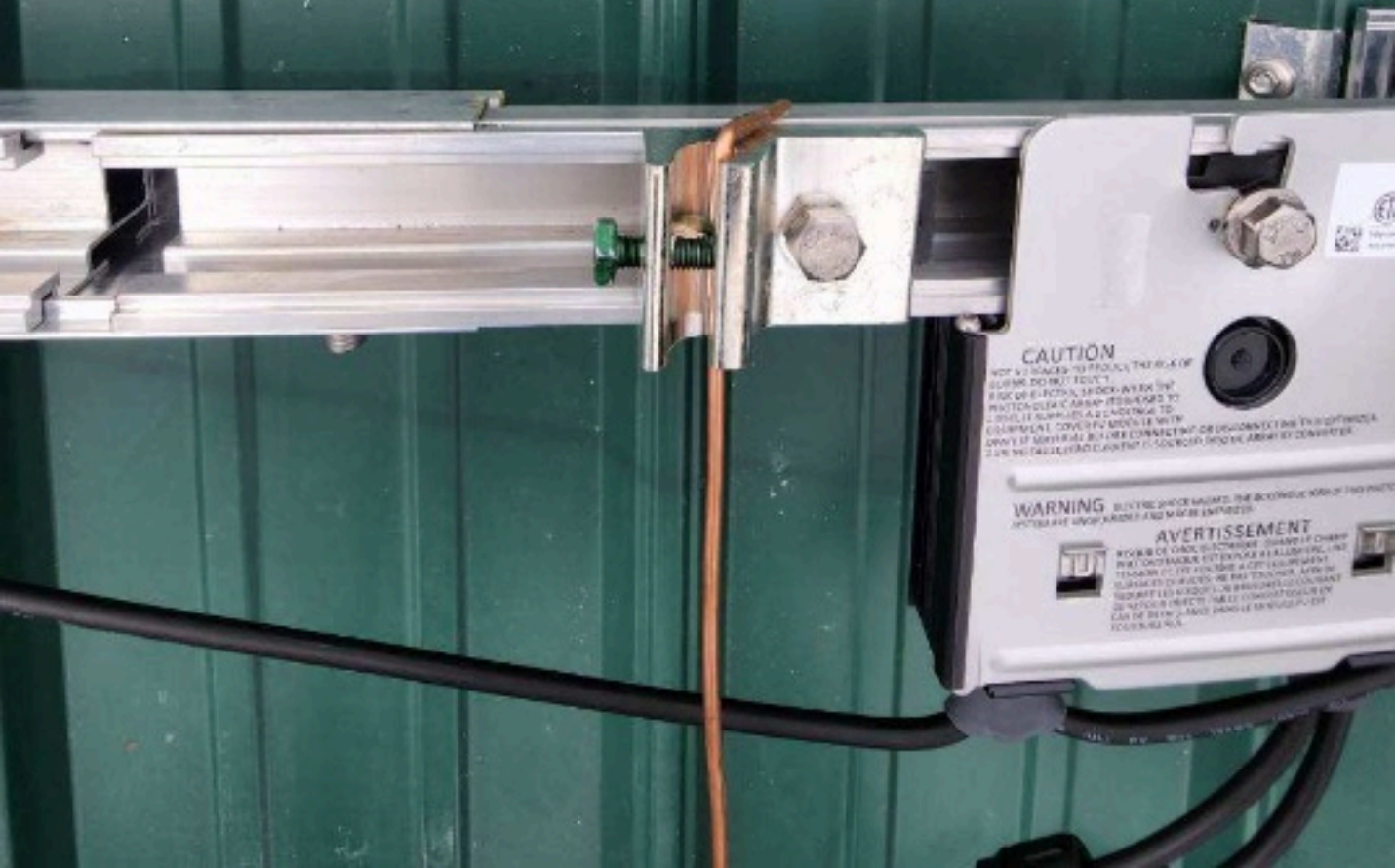
P340-5NM4MRSS



Optimizer Model #



# Bonding Lug



## CAUTION

DO NOT REACH TO PRODUCE THE RISK OF  
ELECTRIC SHOCK. TEST  
FUNCTIONS CAREFULLY. ALWAYS USE THE  
CORRECT ELECTRICAL CONNECTIONS TO  
COMPONENTS. COVER THE RISK WITH  
ELECTRIC SHOCK BY NOT CONNECTING TO THE POWER  
CABLES AND NOT TO TOUCH THE POWER CABLES.

## WARNING

DO NOT REACH TO PRODUCE THE RISK OF  
ELECTRIC SHOCK AND FIRE.

## AVERTISSEMENT

NE PAS TOUCHER LES CÂBLES D'ALIMENTATION  
SANS PROTECTION. TESTER LES  
FONCTIONS AVEC PRÉCAUTION. TOUJOURS  
UTILISER LES BRANCHES D'ALIMENTATION  
CORRECTES. COUVRIR LE RISQUE DE  
CHOC ÉLECTRIQUE EN NE TOUCHANT PAS  
LES CÂBLES D'ALIMENTATION.



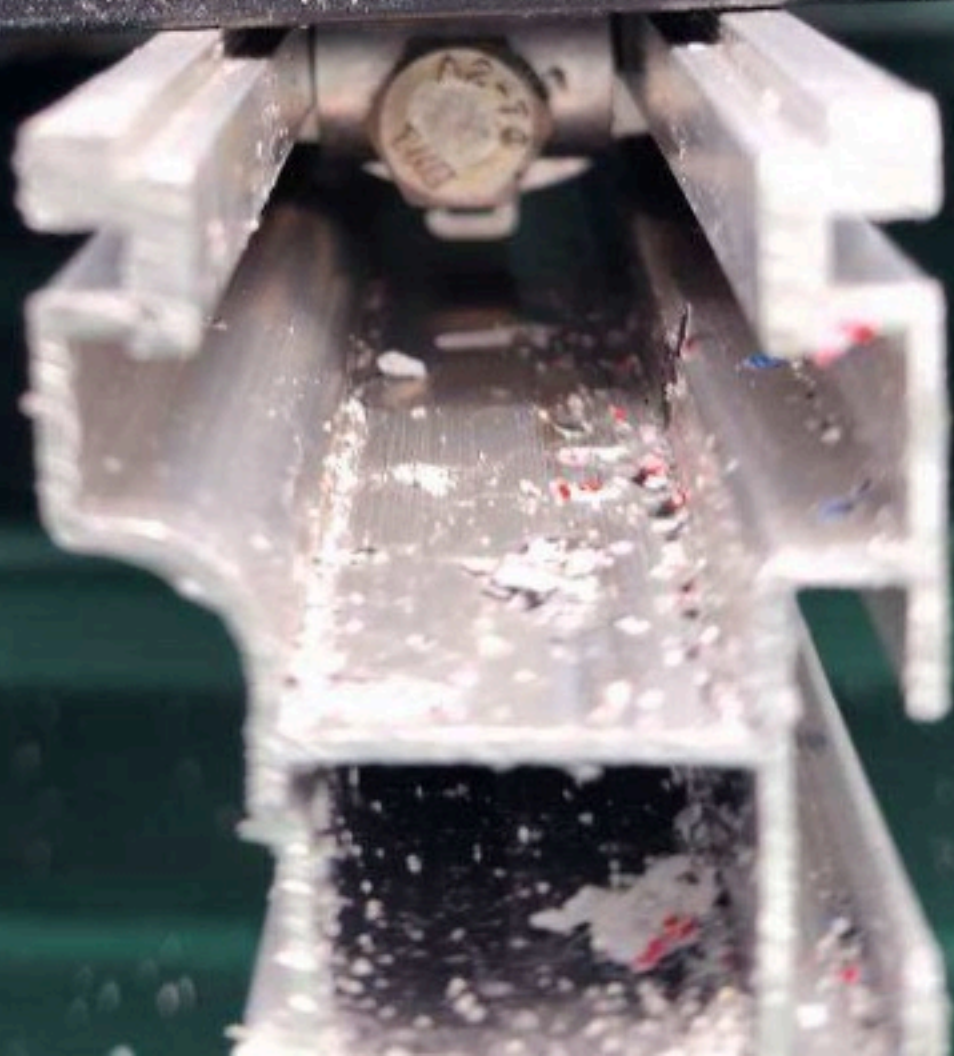
A photograph showing the interior of an aircraft fuselage, focusing on the complex network of wires and cables. The wires are bundled and organized, demonstrating wire management techniques. The background shows the structural components of the aircraft, including the floor and overhead structures. The text "Wire Management" is overlaid on the image in a white, serif font.

# Wire Management

Bonding Run



End - Clamp



# Bonding Lug & Optimizer



A photograph showing a large green metal roof with several long, silver metal rails installed parallel to the ridge. The rails are secured with brackets and bolts. A worker in a yellow safety vest is visible on the ground near the edge of the roof. A ladder is leaning against the roof on the right side. The background consists of a grassy area and dense green trees under a cloudy sky.

Completed  
Racking

# Module Label

ENGINEERED, DESIGNED AND QUALITY TESTED BY Q CELLS IN GERMANY

## Q.PEAK DUO BLK ML-G10+ 400

PERFORMANCE AT STANDARD TEST CONDITIONS\*

Nominal Power* (+5W / -0W)	$P_{MPP}$	[W]	400
Short circuit current*	$I_{sc}$	[A]	11.14
Open circuit voltage*	$V_{oc}$	[V]	45.30
Current at maximum power	$I_{MPP}$	[A]	10.77
Voltage at maximum power	$V_{MPP}$	[V]	37.13
Maximum system voltage	$V_{sys}$	[V]	1000(IEC) 1000(UL)
Weight	M	[kg / lbs]	22.0 / 48.5

\*Measurement tolerances:  $P_{MPP} \pm 3\%$ ;  $I_{sc}$ ,  $V_{oc} \pm 5\%$  at STC: 1000 W/m<sup>2</sup>, 25 ± 2 °C, AM 1.5 according to IEC 60904-3. Data given are rated (nominal) values. IEC 61215:2016, IEC 61730:2016.



www.tuv.com  
ID: 111226277



203422246557403386

Hanwha Q CELLS USA Inc.,  
300 Nexus Drive, Dalton GA 30721, USA  
Certification holder: Hanwha Q CELLS GmbH

# Q CELLS

Assembled in USA



### 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.

### DANGER!

**Risque de choc électrique!**  
NE PAS connecter ou déconnecter 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

**Design load:** 55 lbs/ft<sup>2</sup>

**Fuse Rating:** 20 A

For field connections, use minimum No.12 AWG copper wires insulated for a minimum of 90°C

U.S. Patent No. 9,893,215  
(solar cells)

**EMAIL** [service@q-cells.com](mailto:service@q-cells.com)  
**WEB** [www.q-cells.com](http://www.q-cells.com)