

25

O/OFF

10 kA  
120/240V~



100

O/OFF

10 kA  
120/240V~



Breaker

45

I/ON

25

I/ON



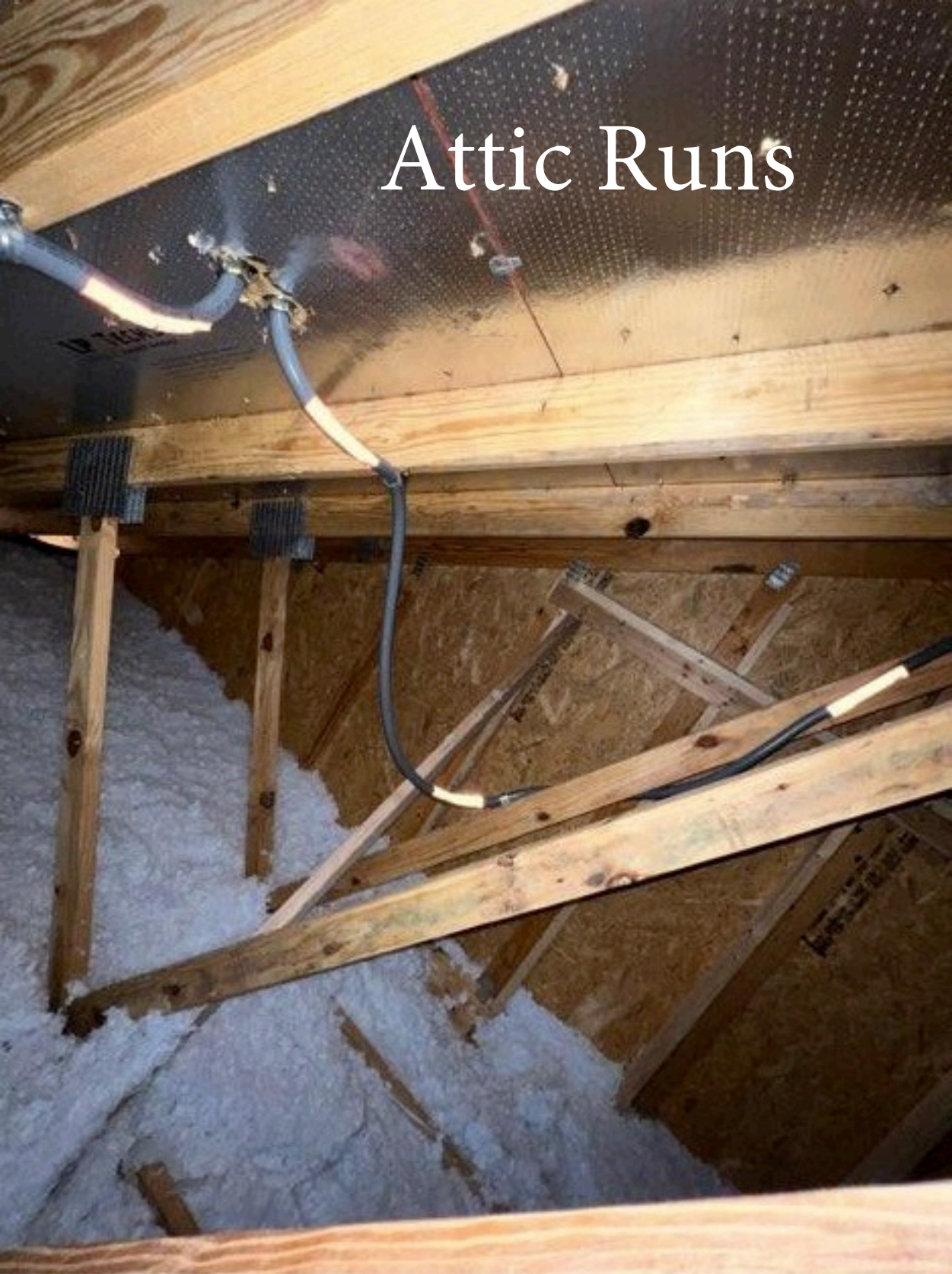


Breaker

# Attic Runs



# Attic Runs

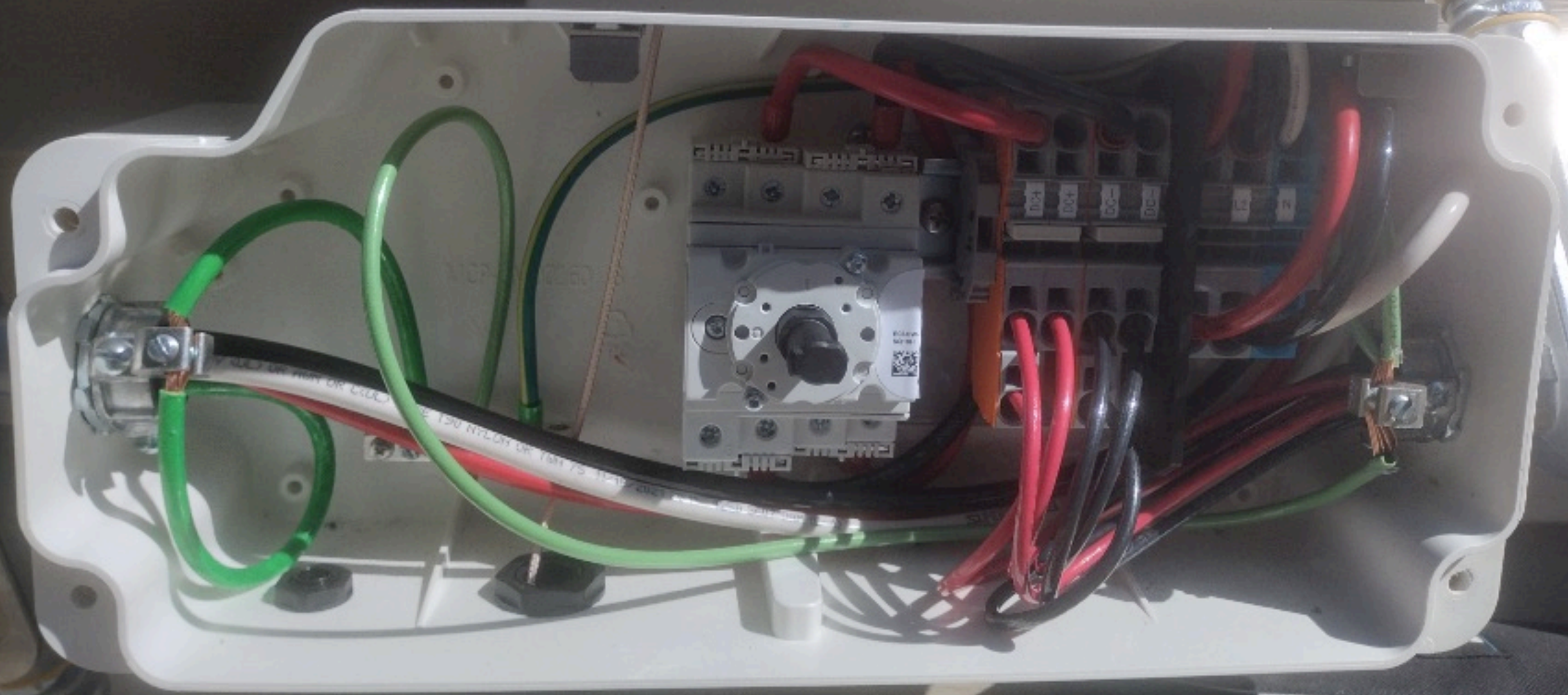


# Wired Inverter

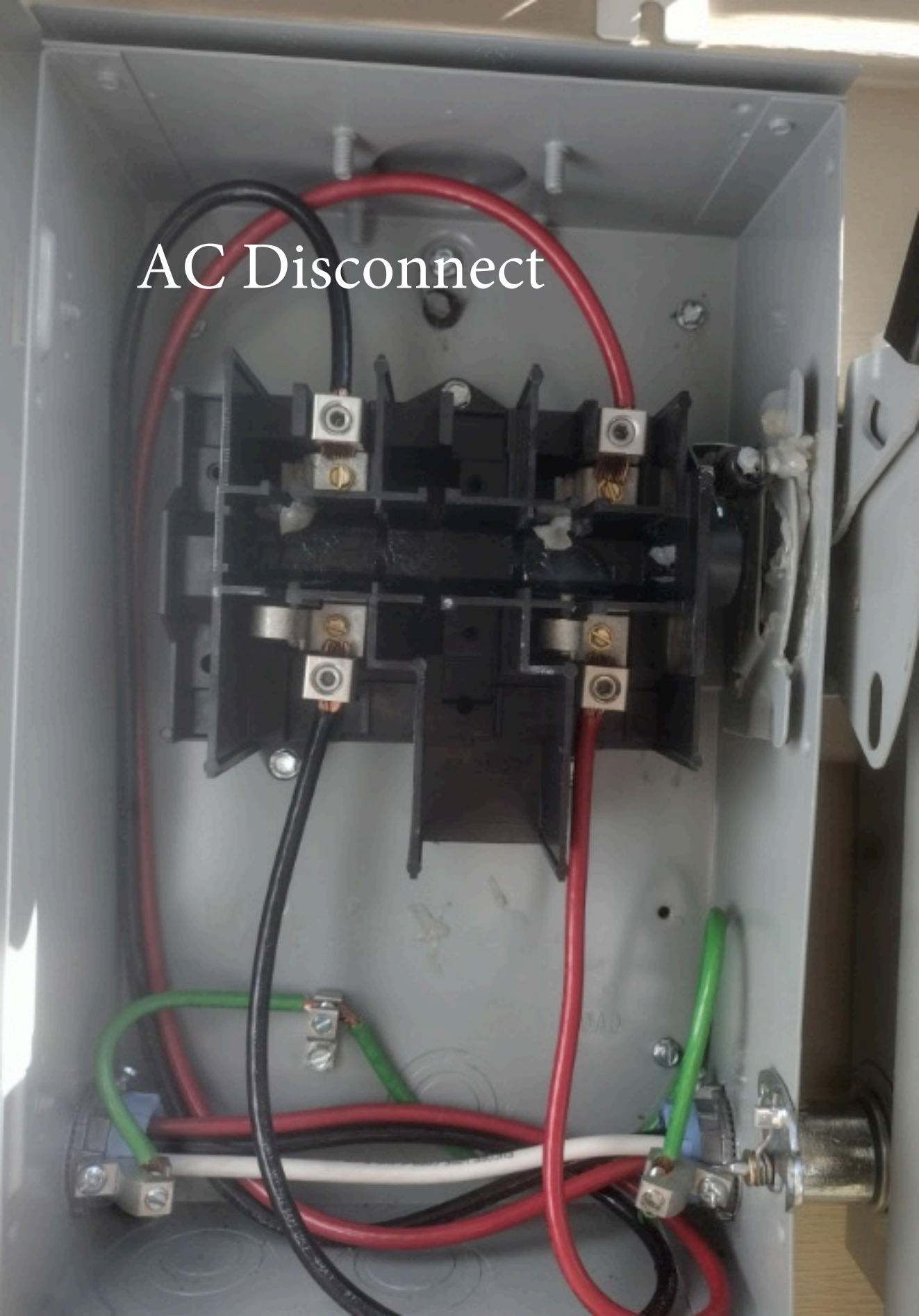
solar**edge**

HD wave

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

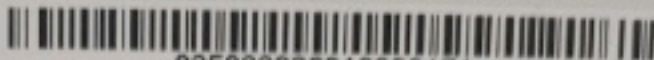


AC Disconnect



340V/5-60V/15A  
8-45V/11A  
1V  
MADE IN : CHINA

Optimizer Label



825822036810200171

ENGINEERED, DESIGNED AND QUALITY TESTED BY Q CELLS IN GERMANY

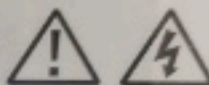
# Q.PEAK DUO BLK ML-G10+ 400

# Q CELLS

## 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

Made in Korea



**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.

\*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.



Serial No. 825822036810200171



Hanwha Solutions Corporation, 132B Daejeon-ro, Geumwang-eup, Eumseong-gun, Chungcheongbuk-do, Republic of Korea, 27852  
Certification holder: Hanwha Q CELLS GmbH  
Q CELLS is a brand of Hanwha Solutions Corporation

**Fire Rating:** Class C / Type 2  
**Design load:** 55 lbs/ft<sup>2</sup>  
**Fuse Rating:** 20A  
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)

# Module Label

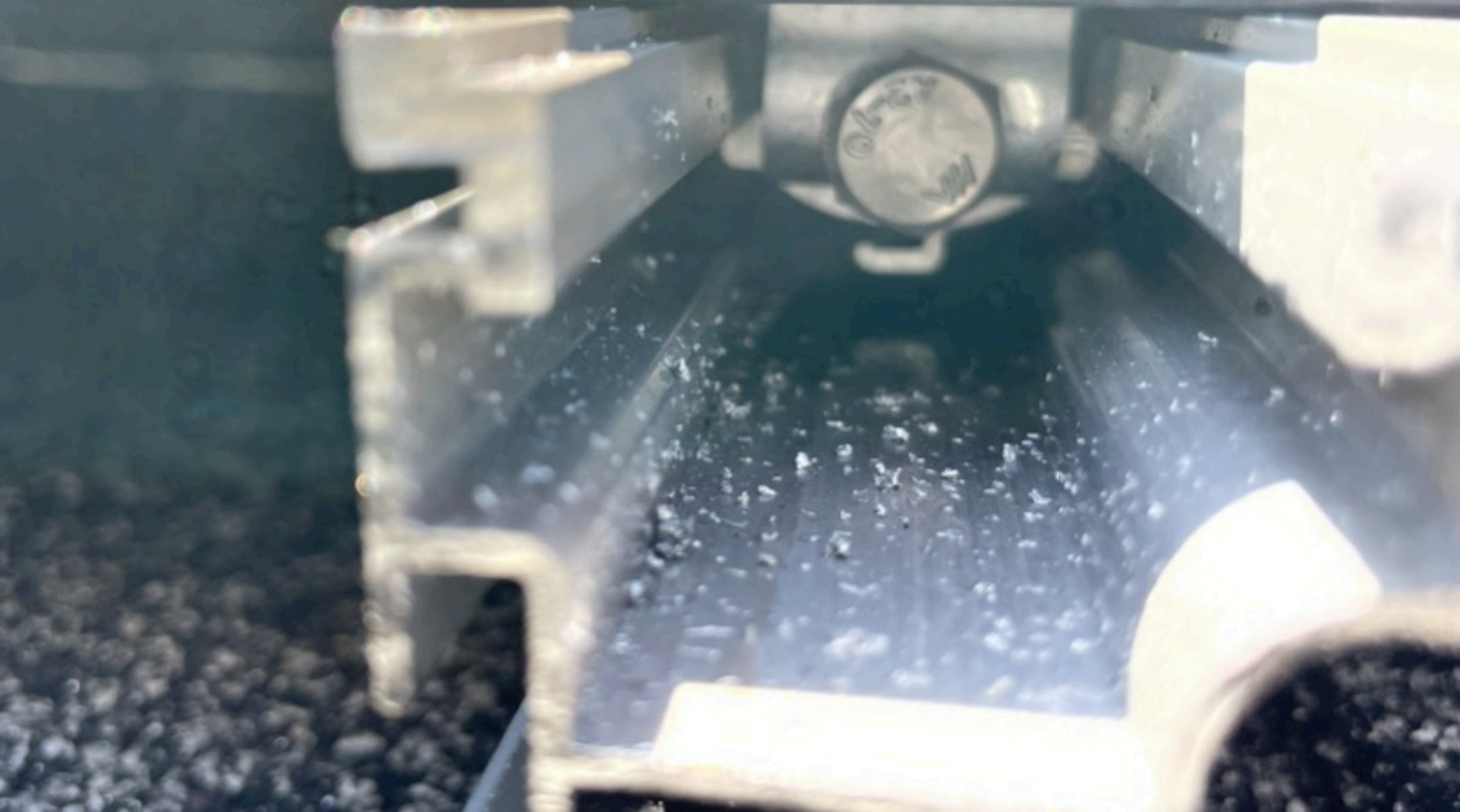






Mid Clamp

End Clamp



# Full Array



# Equipment Boxes





# Wire Management

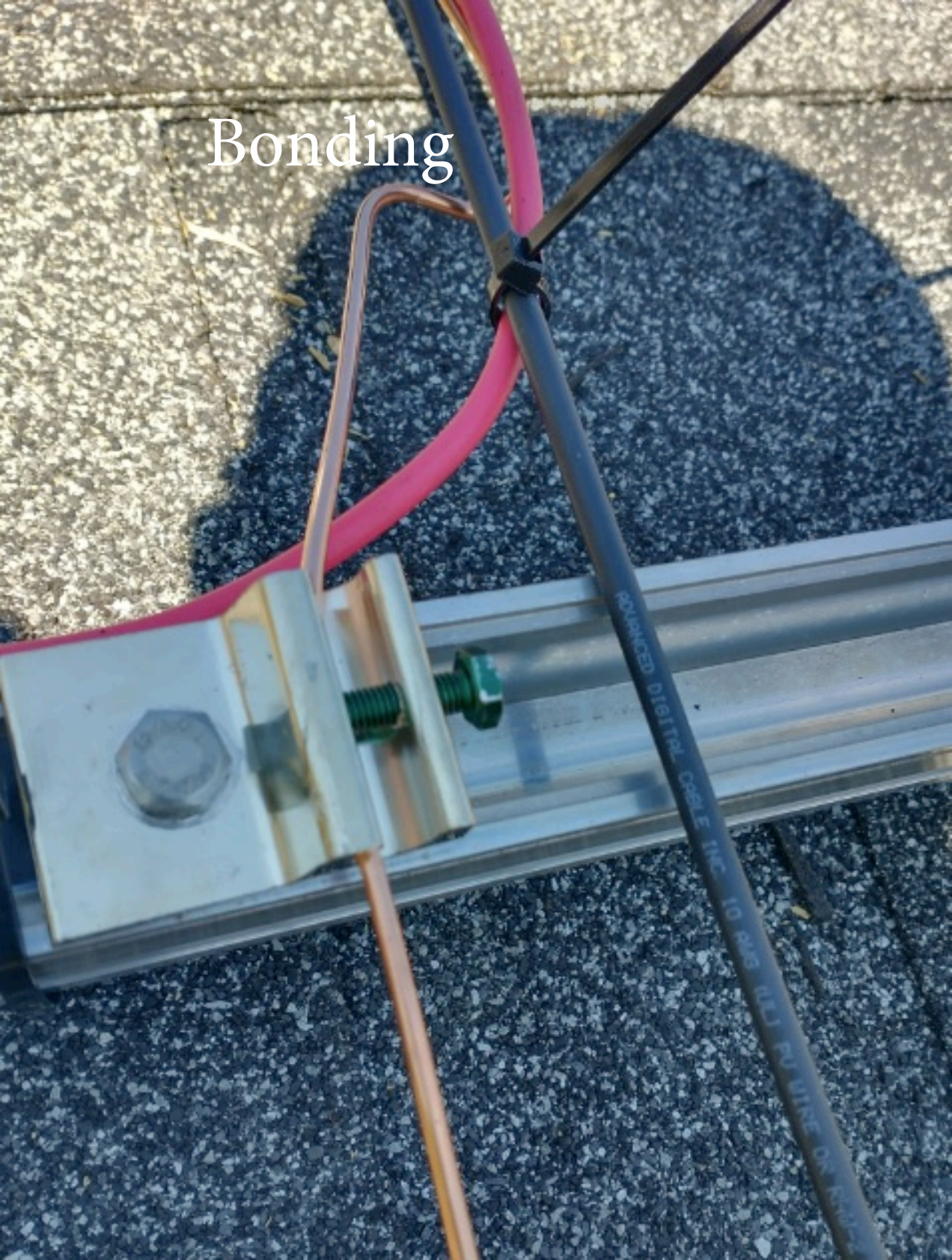


# Racking





# Bonding



# Racking



# UL Label



Everest Solar Systems, LLC

RailConn CR 44-X-Struct Set, Mill

GED Protection Rating 30 AMP

Conforms to ANSI/UL 2901

LISTED

UL

8467226

10/06/2016

# Junction Box



Dinh, QUOC  
4735 Hillmon Grove Rd  
Cameron, NC 28326

**WARNING!** ⚠

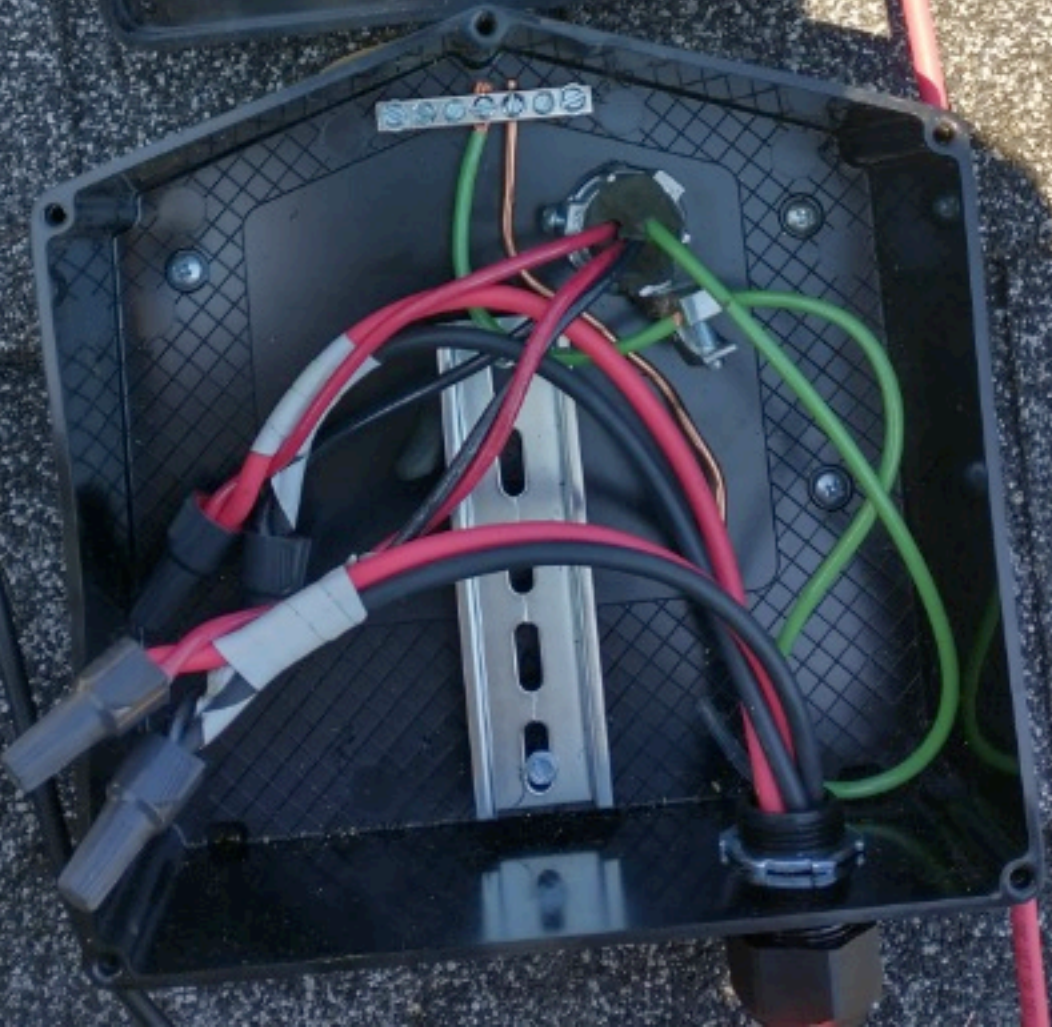
USE OF ELECTRICAL EQUIPMENT ON DC OR AC VOLTAGE  
RANGES AND CURRENTS INSIDE THIS EQUIPMENT  
EACH CIRCUIT MUST BE INDIVIDUALLY DISCONNECTED TO  
REPAIR SERVICES AND WHEN THE PROTECTIVE  
ARM IS EXTENDED, IT SUPPLIES ENERGY TO  
THE EQUIPMENT.

MAX DC RATING — 700 AMPERES  
MAX AC RATING — 400 AMPERES  
KILOWATT HOURS — 14.4  
AMBIENT OPERATING TEMP — 50°C

INSTALLATION PER IEC 60364  
200 CU INCHES MINIMUM  
FOR ALL BONDING & ELECTRICAL SYSTEMS  
TO UL STANDARD 4743

INTERNATIONAL  
SOLARWAT NEMA 3R

# Junction Box



# Junction Box



# Optimizer

P340-5NM4MR55 NM29 A  
S/N: 510820A-01289D850-03



Do Not Remove

12090850 - 03



Intertek  
4004590



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 SOURCED 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 DEFAILLANCE DANS LE MODULE PV EST TOUJOURS NUL.

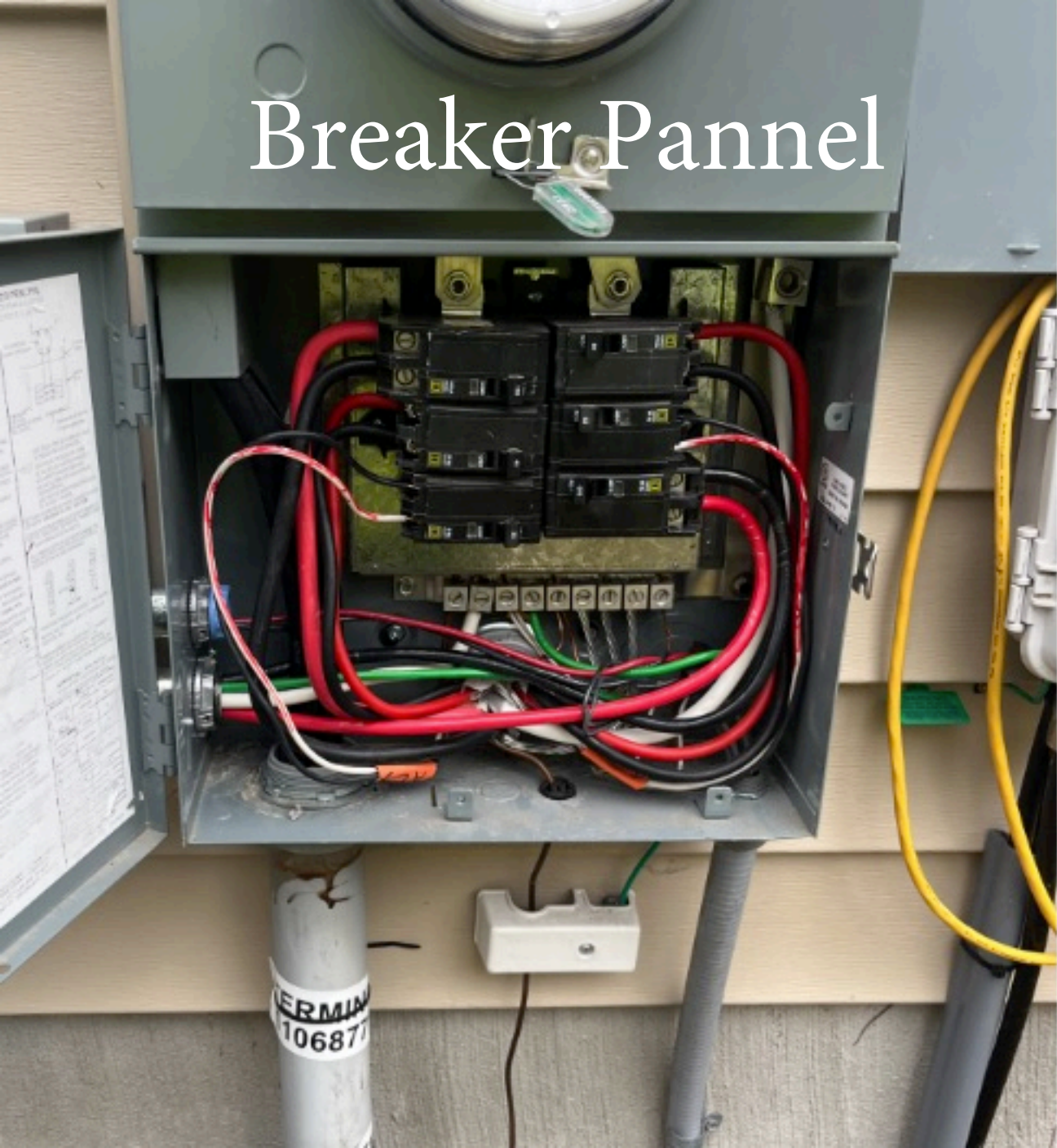


# Attic Run





# Breaker Pannel



# Racking



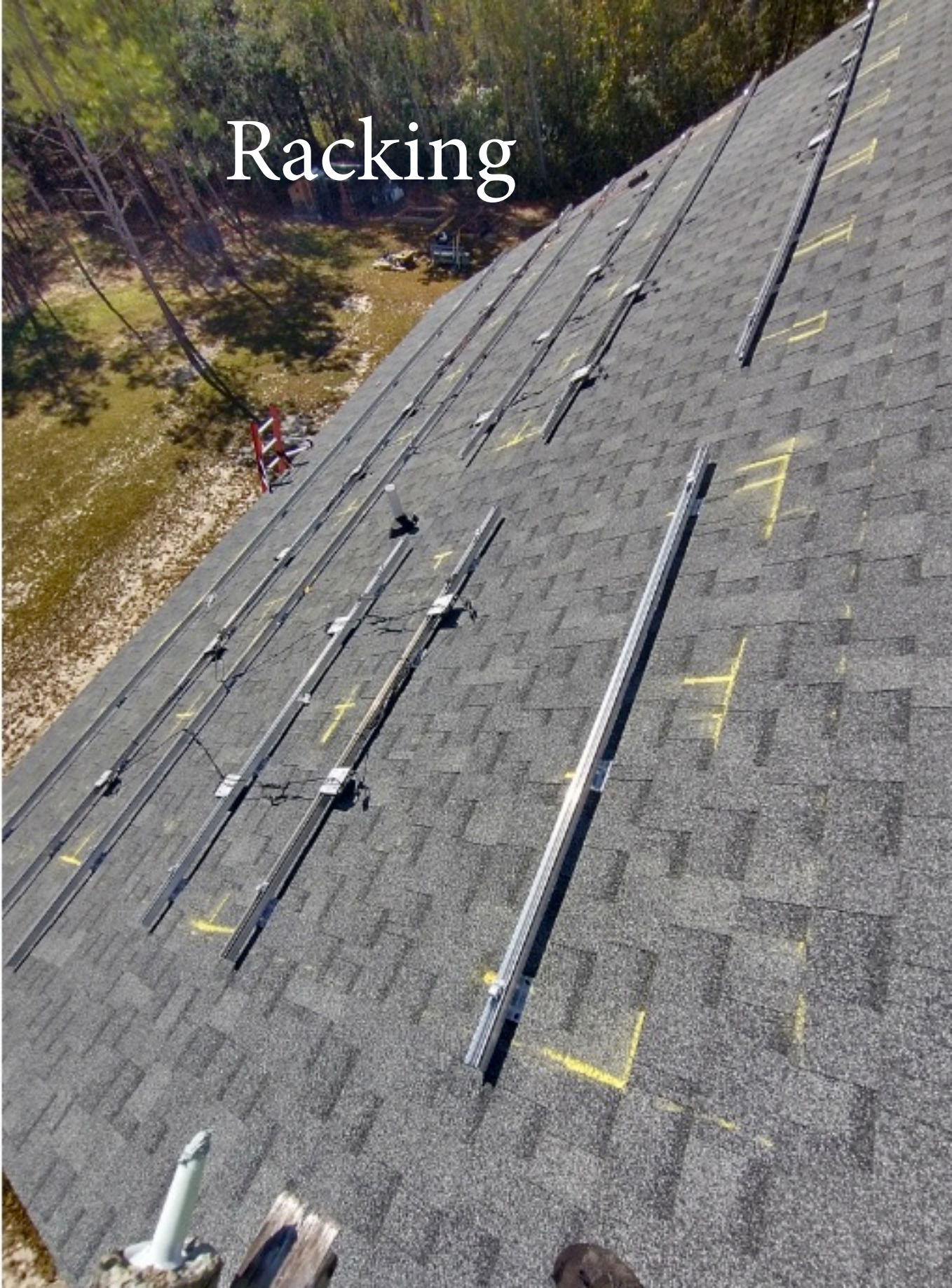
# Racking



# Racking



# Racking



# Bonding



A photograph showing a solar panel bonding system installed on a roof. A metal rail is mounted on the roof, with a grey electrical control box attached to it. A copper wire is connected to the rail and runs down the roof. A person's foot is visible in the bottom left corner. The roof is covered in asphalt shingles, and there are yellow chalk marks on the surface.

Bonding

# Bonding





# Bonding

