


PHOTOVOLTAIC POWER SOURCE

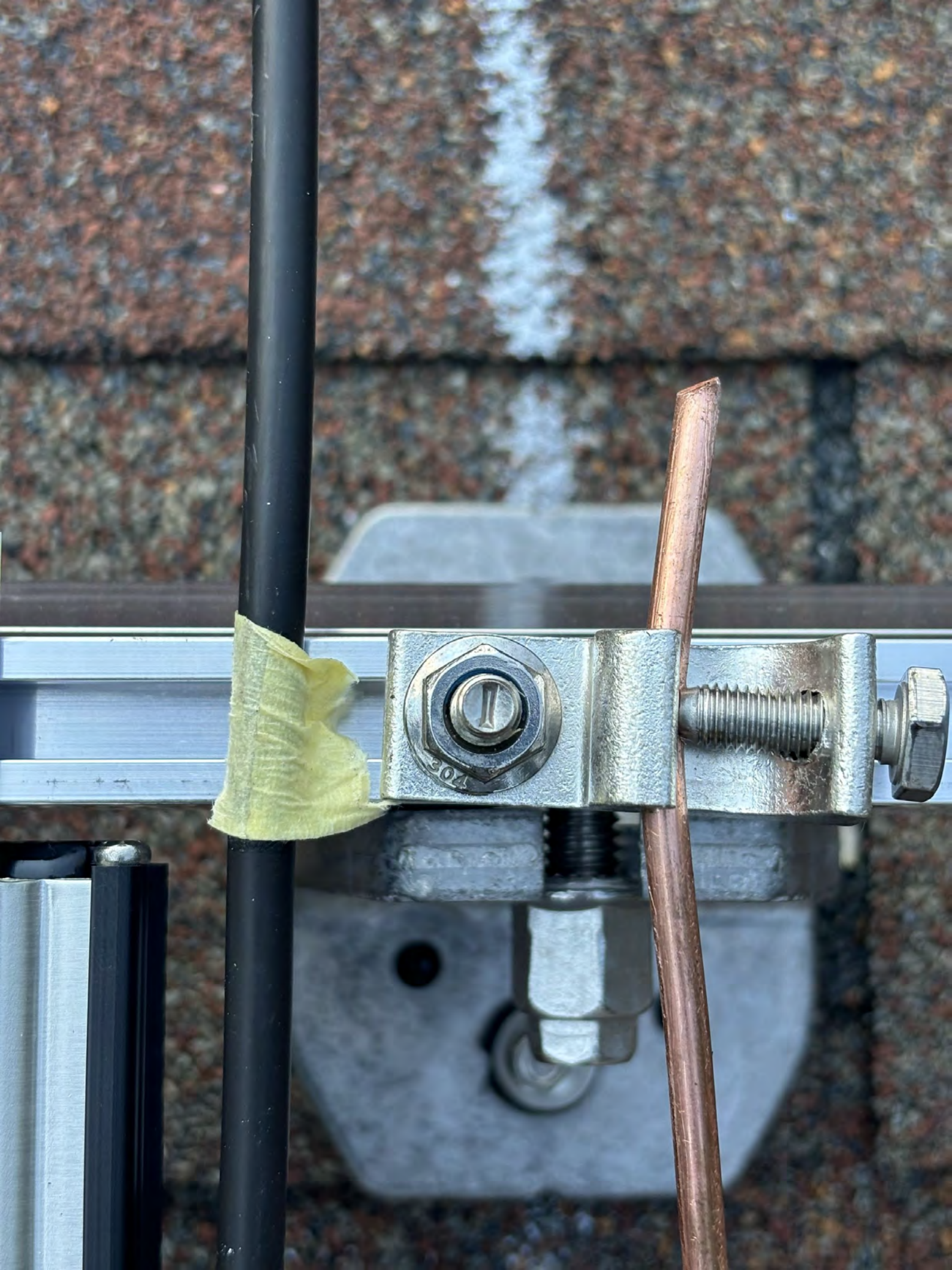


PHOTOVOLTAIC POWER SOURCE



 DIRECTV





Do Not Remove 17A82765-48



Solaredge Technologies Ltd.
Solaredge Technologies GmbH/
Werner-Eckert-Straße 6/81829 Munich/Germany



SolarEdge Technologies Ltd.
Power Optimizer

Solaredge Technologies GmbH/
Werner-Eckert-Straße 6/81829
Munich/Germany

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.

Do not disconnect
under load

MODULE

2. ELECTRIC SHOCK HAZARD. THE DC CONDUCTORS OF THIS PHOTOVOLTAIC MODULE 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.

440W/5-60V/15A

8-60V/14.5A

Open Circuit Voltage: 1V

NA03 ST1923-017A82765-4B

Israel S440-1GM4MRM





CHECK FOR LIVE POWER SOURCE

CAUTION
WARNING: High Voltage
WARNING: Live Wires
WARNING: High Temperature
WARNING: High Pressure
WARNING: High Speed
WARNING: High Noise
WARNING: High Vibration
WARNING: High Humidity
WARNING: High Salinity
WARNING: High Pollution
WARNING: High Radiation
WARNING: High Magnetic Field
WARNING: High Electric Field
WARNING: High Acoustic Field
WARNING: High Infrared Radiation
WARNING: High Ultraviolet Radiation
WARNING: High Ionizing Radiation
WARNING: High Radioactive Material
WARNING: High Toxic Material
WARNING: High Flammable Material
WARNING: High Explosive Material
WARNING: High Corrosive Material
WARNING: High Irritant Material
WARNING: High Sensitizer Material
WARNING: High Allergen Material
WARNING: High Carcinogen Material
WARNING: High Mutagen Material
WARNING: High Teratogen Material
WARNING: High Reproductive Toxicant Material
WARNING: High Developmental Toxicant Material
WARNING: High Systemic Toxicant Material
WARNING: High Local Toxicant Material
WARNING: High Irritant Material
WARNING: High Corrosive Material
WARNING: High Flammable Material
WARNING: High Explosive Material
WARNING: High Corrosive Material
WARNING: High Irritant Material
WARNING: High Sensitizer Material
WARNING: High Allergen Material
WARNING: High Carcinogen Material
WARNING: High Mutagen Material
WARNING: High Teratogen Material
WARNING: High Reproductive Toxicant Material
WARNING: High Developmental Toxicant Material
WARNING: High Systemic Toxicant Material
WARNING: High Local Toxicant Material

AVERTISSEMENT
ATTENTION: Haute Tension
ATTENTION: Courants sous Tension
ATTENTION: Haute Température
ATTENTION: Haute Pression
ATTENTION: Haute Vitesse
ATTENTION: Haute Bruit
ATTENTION: Haute Vibration
ATTENTION: Haute Humidité
ATTENTION: Haute Salinité
ATTENTION: Haute Pollution
ATTENTION: Haute Radiation
ATTENTION: Haute Champ Magnétique
ATTENTION: Haute Champ Électrique
ATTENTION: Haute Champ Acoustique
ATTENTION: Haute Radiation Infrarouge
ATTENTION: Haute Radiation Ultraviolette
ATTENTION: Haute Radiation Ionisante
ATTENTION: Haute Matière Radioactive
ATTENTION: Haute Matière Toxique
ATTENTION: Haute Matière Inflammable
ATTENTION: Haute Matière Explosive
ATTENTION: Haute Matière Corrosive
ATTENTION: Haute Matière Irritante
ATTENTION: Haute Matière Sensibilisante
ATTENTION: Haute Allergène
ATTENTION: Haute Cancérogène
ATTENTION: Haute Mutagène
ATTENTION: Haute Tératogène
ATTENTION: Haute Reproducteur Toxique
ATTENTION: Haute Développement Toxique
ATTENTION: Haute Système Toxique
ATTENTION: Haute Local Toxique

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 THE SYSTEM. DURING FAULT, ZERO CURRENT IS SOURCED INTO DC ARRAY BY IGBT.

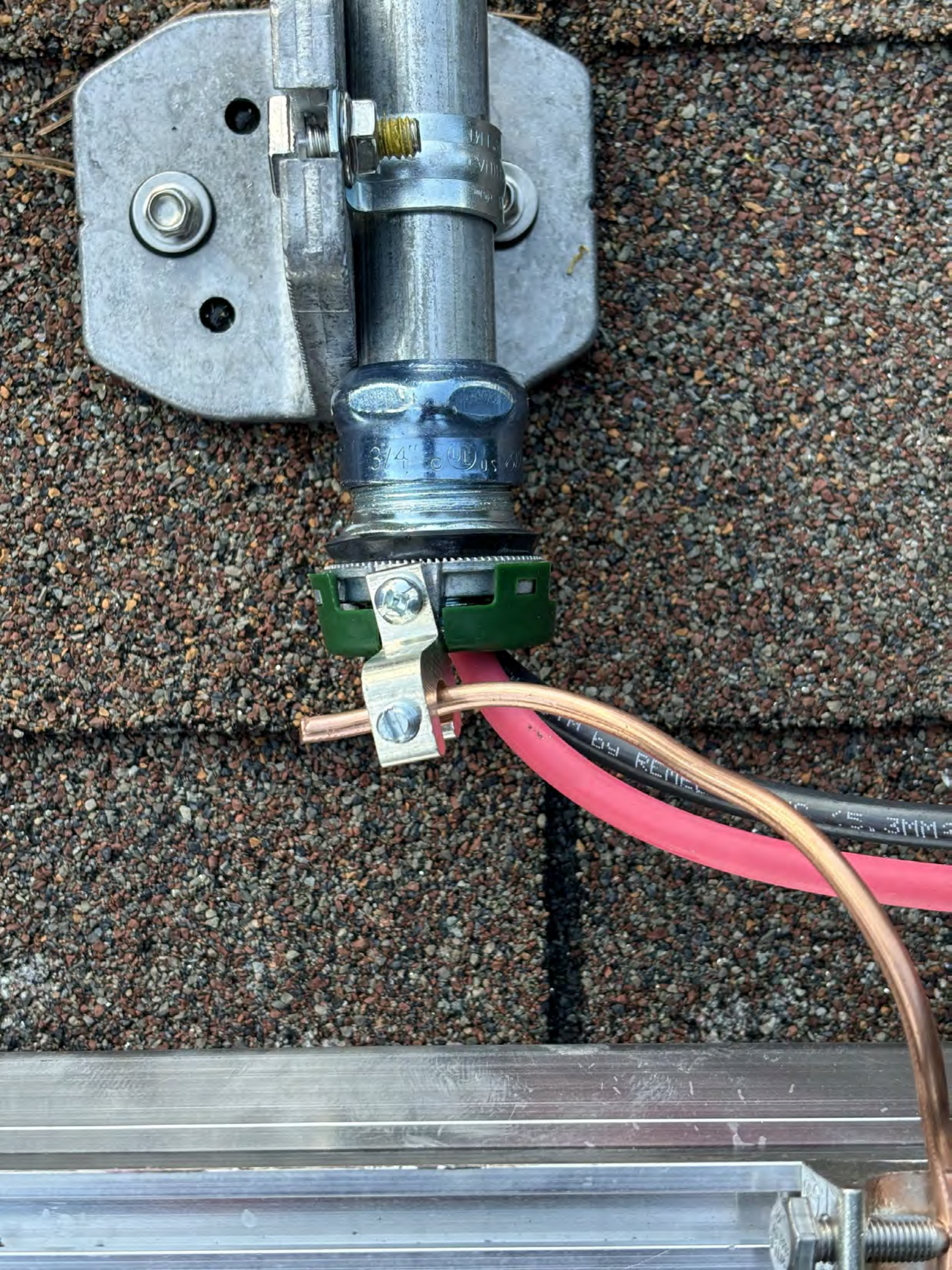
WARNING ELECTRIC SHOCK HAZARD. THE DC CONDUCTOR SYSTEM ARE UNGROUNDED AND MAY BE ENERGIZED.

AVERTISSEMENT
RISQUE DE CHOC ELECTRIQUE QUAND LE PHOTOVOLTAÏQUE EST EXPOSÉ À LA LUMIÈRE, IL FOURNIT UNE TENSION CC ET VOUS RISQUEZ D'ÊTRE BLESSÉS PAR DES SURFACES CHAUDES. NE PAS TOUCHER. COUVER LES MODULES PHOTOVOLTAÏQUES AVEC UN MATÉRIEL OPAQUE AVANT DE BRANCHER OU DE DÉBRANCHER LE SYSTÈME. EN CAS DE PANNÉE, UN COURANT NUL EST ALIMENTÉ DANS LE TABLEAU PHOTOVOLTAÏQUE PAR LE MODULE PHOTOVOLTAÏQUE.











Jinko Solar
Building Your Trust in Solar

Jinko Solar Co., Ltd.
No.1, Yingbin Road, Economic Development Zone,
Shangrao City, 334100 Jiangxi, P.R. China
www.jinkosolar.com

PHOTOVOLTAIC MODULE
Modules assembled in the USA from solar cells made in Vietnam

Solar Module Type: JKM390M-72HBL-V	
Maximum Power(Pmax)	390W
Power Measurement Tolerance	±3%
Maximum Power Voltage(Vmp)	39.64V
Maximum Power Current(Imp)	9.84A
Open Circuit Voltage(Voc)	48.60V±3%
Short Circuit Current(Isc)	10.46A±4%
Maximum System Voltage	1500VDC
Maximum Overcurrent Protection Rating	20A
Power Sorting	0~±3%
Protection Class	II
Fire Class	Type 1(UL1703)/Class C(IEC61730)
Weight	22.5(kg)
Dimension	2008×1002×40(mm)
STC:	1000W/m ² , AM1.5, 25°C
Current Sorting	I1

UL US LISTED
PHOTOVOLTAIC MODULE OVER 600 VOLTS
E85475
JKM390M72

CE

Fire Type: See installation instructions for installation requirement to achieve a specified system fire class rating with this product.
For field connections, use 12 AWG Cu wire only, insulated for a minimum of 90°C.

WARNING
ONLY qualified personnel should install or perform maintenance work on these modules
BE AWARE of dangerous high DC voltage when connecting modules
DO NOT damage or scratch the rear surface of the module
SEE module literature for appropriate mating connectors
DO NOT disconnect the cables or connectors under load

AVERTISSEMENT
SEUL les professionnels peuvent installer et maintenir les éléments
PRENDRE GARDE de la haute tension continue lorsque les éléments sont connectés
IL EST interdit d'endommager ou d'érafler l'envers des éléments
VOIR les infos modules pour les connecteurs de raccordement appropriés
Ne déconnectez pas le câble ou le connecteur sous charge
Pour les raccords sur le terrain, n'utiliser un câble isolé en cuivre de 12 AWG avec un minimum de 90°C.

U1



3861



2

AVERTISSEMENT
ATTENTION
DANGER
SAFETY

AVERTISSEMENT
ATTENTION
DANGER
SAFETY



2





5

2018
10/10/18
10/10/18



CAUTION
WARNING
AVERTISSEMENT

FC

QR Code

Model: [illegible]

Serial: [illegible]

Manufacturer: [illegible]

Country of Origin: [illegible]

Frequency: [illegible]

Power: [illegible]

Antenna: [illegible]

Antenna Gain: [illegible]

Antenna Impedance: [illegible]

Antenna Efficiency: [illegible]

Antenna Polarization: [illegible]

Antenna Orientation: [illegible]

Antenna Location: [illegible]

Antenna Height: [illegible]

Antenna Azimuth: [illegible]

Antenna Elevation: [illegible]

Antenna Azimuth Error: [illegible]

Antenna Elevation Error: [illegible]

Antenna Azimuth Uncertainty: [illegible]

Antenna Elevation Uncertainty: [illegible]

Antenna Azimuth Accuracy: [illegible]

Antenna Elevation Accuracy: [illegible]

Antenna Azimuth Resolution: [illegible]

Antenna Elevation Resolution: [illegible]

Antenna Azimuth Drift: [illegible]

Antenna Elevation Drift: [illegible]

Antenna Azimuth Rate: [illegible]

Antenna Elevation Rate: [illegible]

Antenna Azimuth Acceleration: [illegible]

Antenna Elevation Acceleration: [illegible]

Antenna Azimuth Jerk: [illegible]

Antenna Elevation Jerk: [illegible]

Antenna Azimuth Vibration: [illegible]

Antenna Elevation Vibration: [illegible]

Antenna Azimuth Shock: [illegible]

Antenna Elevation Shock: [illegible]

Antenna Azimuth Impact: [illegible]

Antenna Elevation Impact: [illegible]

Antenna Azimuth Stress: [illegible]

Antenna Elevation Stress: [illegible]

Antenna Azimuth Strain: [illegible]

Antenna Elevation Strain: [illegible]

Antenna Azimuth Fatigue: [illegible]

Antenna Elevation Fatigue: [illegible]

Antenna Azimuth Creep: [illegible]

Antenna Elevation Creep: [illegible]

Antenna Azimuth Relaxation: [illegible]

Antenna Elevation Relaxation: [illegible]

Antenna Azimuth Hysteresis: [illegible]

Antenna Elevation Hysteresis: [illegible]

Antenna Azimuth Nonlinearity: [illegible]

Antenna Elevation Nonlinearity: [illegible]

Antenna Azimuth Hysteresis Error: [illegible]

Antenna Elevation Hysteresis Error: [illegible]

Antenna Azimuth Nonlinearity Error: [illegible]

Antenna Elevation Nonlinearity Error: [illegible]

Antenna Azimuth Hysteresis Uncertainty: [illegible]

Antenna Elevation Hysteresis Uncertainty: [illegible]

Antenna Azimuth Nonlinearity Uncertainty: [illegible]

Antenna Elevation Nonlinearity Uncertainty: [illegible]

Antenna Azimuth Hysteresis Accuracy: [illegible]

Antenna Elevation Hysteresis Accuracy: [illegible]

Antenna Azimuth Nonlinearity Accuracy: [illegible]

Antenna Elevation Nonlinearity Accuracy: [illegible]

Antenna Azimuth Hysteresis Resolution: [illegible]

Antenna Elevation Hysteresis Resolution: [illegible]

Antenna Azimuth Nonlinearity Resolution: [illegible]

Antenna Elevation Nonlinearity Resolution: [illegible]

Antenna Azimuth Hysteresis Drift: [illegible]

Antenna Elevation Hysteresis Drift: [illegible]

Antenna Azimuth Nonlinearity Drift: [illegible]

Antenna Elevation Nonlinearity Drift: [illegible]

Antenna Azimuth Hysteresis Rate: [illegible]

Antenna Elevation Hysteresis Rate: [illegible]

Antenna Azimuth Nonlinearity Rate: [illegible]

Antenna Elevation Nonlinearity Rate: [illegible]

Antenna Azimuth Hysteresis Acceleration: [illegible]

Antenna Elevation Hysteresis Acceleration: [illegible]

Antenna Azimuth Nonlinearity Acceleration: [illegible]

Antenna Elevation Nonlinearity Acceleration: [illegible]

Antenna Azimuth Hysteresis Jerk: [illegible]

Antenna Elevation Hysteresis Jerk: [illegible]

Antenna Azimuth Nonlinearity Jerk: [illegible]

Antenna Elevation Nonlinearity Jerk: [illegible]

Antenna Azimuth Hysteresis Vibration: [illegible]

Antenna Elevation Hysteresis Vibration: [illegible]

Antenna Azimuth Nonlinearity Vibration: [illegible]

Antenna Elevation Nonlinearity Vibration: [illegible]

Antenna Azimuth Hysteresis Shock: [illegible]

Antenna Elevation Hysteresis Shock: [illegible]

Antenna Azimuth Nonlinearity Shock: [illegible]

Antenna Elevation Nonlinearity Shock: [illegible]

Antenna Azimuth Hysteresis Impact: [illegible]

Antenna Elevation Hysteresis Impact: [illegible]

Antenna Azimuth Nonlinearity Impact: [illegible]

Antenna Elevation Nonlinearity Impact: [illegible]

Antenna Azimuth Hysteresis Stress: [illegible]

Antenna Elevation Hysteresis Stress: [illegible]

Antenna Azimuth Nonlinearity Stress: [illegible]

Antenna Elevation Nonlinearity Stress: [illegible]

Antenna Azimuth Hysteresis Strain: [illegible]

Antenna Elevation Hysteresis Strain: [illegible]

Antenna Azimuth Nonlinearity Strain: [illegible]

Antenna Elevation Nonlinearity Strain: [illegible]

Antenna Azimuth Hysteresis Fatigue: [illegible]

Antenna Elevation Hysteresis Fatigue: [illegible]

Antenna Azimuth Nonlinearity Fatigue: [illegible]

Antenna Elevation Nonlinearity Fatigue: [illegible]

Antenna Azimuth Hysteresis Creep: [illegible]

Antenna Elevation Hysteresis Creep: [illegible]

Antenna Azimuth Nonlinearity Creep: [illegible]

Antenna Elevation Nonlinearity Creep: [illegible]

Antenna Azimuth Hysteresis Relaxation: [illegible]

Antenna Elevation Hysteresis Relaxation: [illegible]

Antenna Azimuth Nonlinearity Relaxation: [illegible]

Antenna Elevation Nonlinearity Relaxation: [illegible]

Antenna Azimuth Hysteresis Hysteresis: [illegible]

Antenna Elevation Hysteresis Hysteresis: [illegible]

Antenna Azimuth Nonlinearity Hysteresis: [illegible]

Antenna Elevation Nonlinearity Hysteresis: [illegible]

Antenna Azimuth Hysteresis Nonlinearity: [illegible]

Antenna Elevation Hysteresis Nonlinearity: [illegible]

Antenna Azimuth Nonlinearity Hysteresis: [illegible]

Antenna Elevation Nonlinearity Hysteresis: [illegible]

Antenna Azimuth Hysteresis Nonlinearity Error: [illegible]

Antenna Elevation Hysteresis Nonlinearity Error: [illegible]

Antenna Azimuth Nonlinearity Hysteresis Error: [illegible]

Antenna Elevation Nonlinearity Hysteresis Error: [illegible]

Antenna Azimuth Hysteresis Nonlinearity Uncertainty: [illegible]

Antenna Elevation Hysteresis Nonlinearity Uncertainty: [illegible]

Antenna Azimuth Nonlinearity Hysteresis Uncertainty: [illegible]

Antenna Elevation Nonlinearity Hysteresis Uncertainty: [illegible]

Antenna Azimuth Hysteresis Nonlinearity Accuracy: [illegible]

Antenna Elevation Hysteresis Nonlinearity Accuracy: [illegible]

Antenna Azimuth Nonlinearity Hysteresis Accuracy: [illegible]

Antenna Elevation Nonlinearity Hysteresis Accuracy: [illegible]

Antenna Azimuth Hysteresis Nonlinearity Resolution: [illegible]

Antenna Elevation Hysteresis Nonlinearity Resolution: [illegible]

Antenna Azimuth Nonlinearity Hysteresis Resolution: [illegible]

Antenna Elevation Nonlinearity Hysteresis Resolution: [illegible]

Antenna Azimuth Hysteresis Nonlinearity Drift: [illegible]

Antenna Elevation Hysteresis Nonlinearity Drift: [illegible]

Antenna Azimuth Nonlinearity Hysteresis Drift: [illegible]

Antenna Elevation Nonlinearity Hysteresis Drift: [illegible]

Antenna Azimuth Hysteresis Nonlinearity Rate: [illegible]

Antenna Elevation Hysteresis Nonlinearity Rate: [illegible]

Antenna Azimuth Nonlinearity Hysteresis Rate: [illegible]

Antenna Elevation Nonlinearity Hysteresis Rate: [illegible]

Antenna Azimuth Hysteresis Nonlinearity Acceleration: [illegible]

Antenna Elevation Hysteresis Nonlinearity Acceleration: [illegible]

Antenna Azimuth Nonlinearity Hysteresis Acceleration: [illegible]

Antenna Elevation Nonlinearity Hysteresis Acceleration: [illegible]

Antenna Azimuth Hysteresis Nonlinearity Jerk: [illegible]

Antenna Elevation Hysteresis Nonlinearity Jerk: [illegible]

Antenna Azimuth Nonlinearity Hysteresis Jerk: [illegible]

Antenna Elevation Nonlinearity Hysteresis Jerk: [illegible]

Antenna Azimuth Hysteresis Nonlinearity Vibration: [illegible]

Antenna Elevation Hysteresis Nonlinearity Vibration: [illegible]

Antenna Azimuth Nonlinearity Hysteresis Vibration: [illegible]

Antenna Elevation Nonlinearity Hysteresis Vibration: [illegible]

Antenna Azimuth Hysteresis Nonlinearity Shock: [illegible]

Antenna Elevation Hysteresis Nonlinearity Shock: [illegible]

Antenna Azimuth Nonlinearity Hysteresis Shock: [illegible]

Antenna Elevation Nonlinearity Hysteresis Shock: [illegible]

Antenna Azimuth Hysteresis Nonlinearity Impact: [illegible]

Antenna Elevation Hysteresis Nonlinearity Impact: [illegible]

Antenna Azimuth Nonlinearity Hysteresis Impact: [illegible]

Antenna Elevation Nonlinearity Hysteresis Impact: [illegible]

Antenna Azimuth Hysteresis Nonlinearity Stress: [illegible]

Antenna Elevation Hysteresis Nonlinearity Stress: [illegible]

Antenna Azimuth Nonlinearity Hysteresis Stress: [illegible]

Antenna Elevation Nonlinearity Hysteresis Stress: [illegible]

Antenna Azimuth Hysteresis Nonlinearity Strain: [illegible]

Antenna Elevation Hysteresis Nonlinearity Strain: [illegible]

Antenna Azimuth Nonlinearity Hysteresis Strain: [illegible]

Antenna Elevation Nonlinearity Hysteresis Strain: [illegible]

Antenna Azimuth Hysteresis Nonlinearity Fatigue: [illegible]

Antenna Elevation Hysteresis Nonlinearity Fatigue: [illegible]

Antenna Azimuth Nonlinearity Hysteresis Fatigue: [illegible]

Antenna Elevation Nonlinearity Hysteresis Fatigue: [illegible]

Antenna Azimuth Hysteresis Nonlinearity Creep: [illegible]

Antenna Elevation Hysteresis Nonlinearity Creep: [illegible]

Antenna Azimuth Nonlinearity Hysteresis Creep: [illegible]

Antenna Elevation Nonlinearity Hysteresis Creep: [illegible]

Antenna Azimuth Hysteresis Nonlinearity Relaxation: [illegible]

Antenna Elevation Hysteresis Nonlinearity Relaxation: [illegible]

Antenna Azimuth Nonlinearity Hysteresis Relaxation: [illegible]

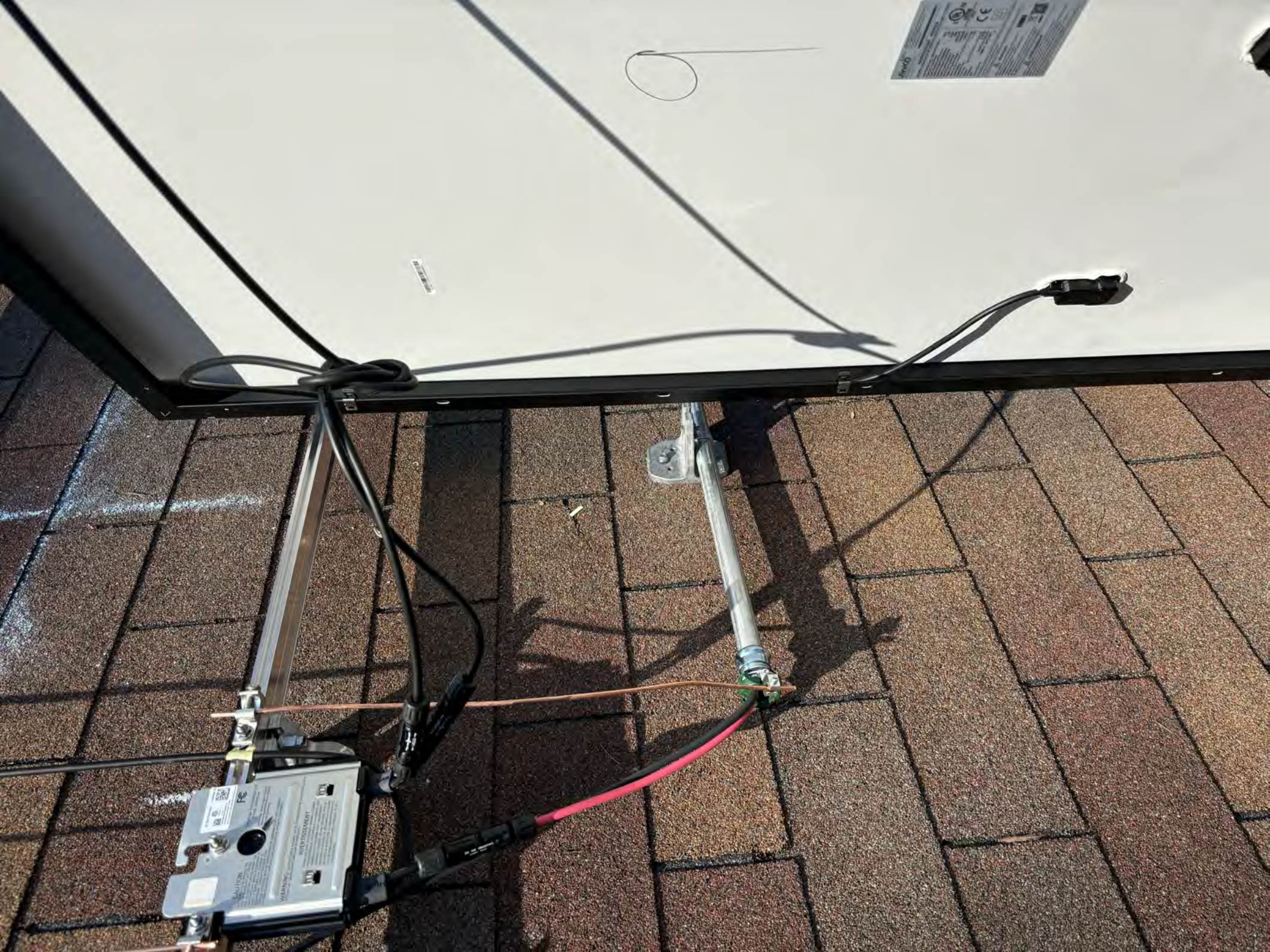
Antenna Elevation Nonlinearity Hysteresis Relaxation: [illegible]



VENT COVER
1. Remove the cover by pulling it out from the ceiling.
2. Clean the area around the vent.
3. Replace the cover by pushing it back into the ceiling.
4. Test the fan operation.

FC
SERIAL NUMBER
INSTALLATION INSTRUCTIONS
1. Mount the device to the roof rack using the provided screws.
2. Connect the power cable to the wall outlet.
3. Connect the antenna cable to the antenna port.
4. Turn on the power and check the signal strength.





Panel label with technical specifications and safety warnings.

CAUTION
WARNING
INVERTER
FC

Small label on the panel frame.



WARNING
AC POWER SOURCE

20

CAUTION
WARNING: AC POWER SOURCE
FCC

PHOTOVOLTAIC POWER SOURCE



Small rectangular label on the ceiling with illegible text and a logo.

CAUTION
AVERTISSEMENT
Small text and logo on the silver device.



CAUTION! The solar panel is a high-voltage device. Do not touch the solar panel or the electrical components of the solar panel system. The solar panel system is a high-voltage device. Do not touch the solar panel or the electrical components of the solar panel system. The solar panel system is a high-voltage device. Do not touch the solar panel or the electrical components of the solar panel system.

AVERTISSEMENT

Le panneau solaire est un appareil à haute tension. Ne touchez pas le panneau solaire ou les composants électriques du système solaire. Le système solaire est un appareil à haute tension. Ne touchez pas le panneau solaire ou les composants électriques du système solaire. Le système solaire est un appareil à haute tension. Ne touchez pas le panneau solaire ou les composants électriques du système solaire.





CAUTION
AVERTISSEMENT
WARNING





Linko
PHOTOVOLTAIC MODULE

Model	LMK-180-60
Power (W)	180
Voltage (V)	18
Current (A)	10
Dimensions (mm)	330 x 660 x 30
Weight (kg)	2.2
Temperature Coefficient (1/c°)	-0.0045
Operating Temperature (°C)	-40 to 85
Storage Temperature (°C)	-40 to 125
Humidity (RH)	95%
Wind Load (kg/m²)	5.0
Snow Load (kg/m²)	5.0
Impact Resistance (kg)	5.0
IP Rating	IP67
UL Standard	UL 1709
CE Standard	EN 61215
RoHS Compliant	Yes

CAUTION
WARNING

WARNING
AVERTISSEMENT

CAUTION
WARNING

WARNING
AVERTISSEMENT



jinko
MONOCRYSTALLINE SILICON
180W
18V 10.0A
144 Cells
20 Year Power Warranty
25 Year Product Warranty
CE, ISO 9001, ISO 14001, IEC 61215, IEC 61730

AVERTISSEMENT
ATTENTION: Les câbles solaires peuvent être sous tension. Ne touchez pas les câbles solaires.
NE PAS TOUCHER LES CÂBLES SOLAIRES. Ils peuvent être sous tension.
NE PAS TOUCHER LES CÂBLES SOLAIRES. Ils peuvent être sous tension.
NE PAS TOUCHER LES CÂBLES SOLAIRES. Ils peuvent être sous tension.



8

8



110

Kingco
L'avis de conformité

FC
AVERTISSEMENT
ATTENTION: Ce récepteur est conçu pour être utilisé avec un système de télévision par satellite Kingco. Toute utilisation non autorisée peut entraîner des dommages matériels et annuler la garantie. Lire attentivement le manuel d'instructions et les avertissements avant d'utiliser ce produit. Kingco n'est pas responsable des dommages causés par une utilisation incorrecte de ce produit.



CAUTION
WARNING
AVERTISSEMENT

20

Small rectangular label with illegible text and a logo.



solarEdge
Made in USA
DC DISCONNECT

A white rectangular solar disconnect switch with a black rotary handle in the center. The handle is currently in the 'OFF' position. The top of the unit has a small antenna. A red label on the left side of the unit reads 'WARNING: DISCONNECT FROM SOLAR SYSTEM'. The unit is mounted on a metal pipe that runs vertically up the wall.

F-T-W
DC DISCONNECT
EQUIPPED WITH
RAPID SHUTDOWN
SWITCH FOR
SOLAR PV SYSTEM

A grey rectangular DC disconnect switch with a silver handle on the right side. It features several warning labels in red and yellow. The labels include 'DC DISCONNECT', 'EQUIPPED WITH RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM', and 'WARNING: DISCONNECT FROM SOLAR SYSTEM'. The unit is mounted on a metal pipe.

CAUTION

A large tan-colored electrical meter assembly. It includes a main disconnect switch on the left and a meter on the right. A red 'CAUTION' label is visible on the disconnect switch. The unit is mounted on a metal pipe. To the right of the meter is a smaller grey box, possibly a transformer or another component.

A small, rectangular grey electrical box mounted on the wall. It has a few wires connected to it. The box is mounted on a metal pipe.





PHOTOVOLTAIC POWER SOURCE

solar edge

Made in USA
from imported parts

ON

OFF



DC DISCONNECT

solar edge

solar**edge**

Made in USA 
from imported parts

P 1 0

ON

OFF



DC DISCONNECT

solar**edge**

WARNING
IF THIS CLAMP OR
WIRE IS LOOSE OR MIS-
BE REMOVED PLEASE
CALL TELEPHONE CO
REPAIR SERVICE



PHOTOVOLTAIC
SYSTEM kWh METER



CENTRON®

00021A477A
FCC ID: SKBAM17, IC:864G-AM17, MODEL AM17

54.2c net

CL200 240V 3W TYPE C2M 30TA 1.0Kh

ZZZ 496243 H67

CA 0.5
FM2S
60Hz

DUKE ENERGY PROGRESS

325 130 943


F120529

OpenWay
by Itron

7/19

MILBANK

GENERAL  ELECTRIC

 **WARNING**
DUAL POWER SUPPLY
SOURCE: UTILITY ONE
AND PV SOLAR
ELECTRIC SYSTEM

CAUTION:
MULTIPLE SOURCES OF POWER
THE PV DISCONNECT IS LOCATED
BEHIND THE SERVICE PANEL

 **CAUTION** 
SOLAR ELECTRIC SYSTEM CONNECTED



General Duty Safety Switch
Interrupteur de sécurité à usage général
Interruptor de seguridad de servicio general

60 A, 240 V~, 60 Hz

Complete ratings inside
Valeurs nominales complètes à l'intérieur
Información completa de capacidades en el interior

Further instructions inside
Autres instructions à l'intérieur
Instrucciones adicionales en el interior

Made in U.S.A. / Fabriqué aux E.-U. / Hecho en E.U.A.

⚠ DANGER
HAZARDOUS VOLTAGE, WILL CAUSE SEVERE INJURY OR DEATH.
 • Never operate inside with cover open.
 • Turn OFF power ahead of work before doing any work inside. Replace all parts. Check cover before leaving.
 (French text follows)

⚠ PELIGRO
VOLTAJE PELIGROSO, PUEDE CAUSAR HERIDAS SEVERAS O LA MUERTE.
 • Nunca opere el interruptor con la cubierta abierta.
 • Desconecte la alimentación del interruptor antes de trabajar dentro del mismo. Reemplazar todas las partes. Cerrar la cubierta antes de salir del interruptor.

30-43080

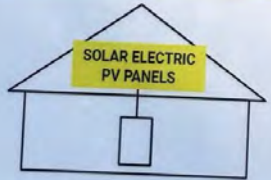
AC DISCONNECT
PHOTOVOLTAIC SYSTEM
POWER SOURCE

RATED AC OUTPUT CURRENT **32** AMPS
 NOMINAL OPERATING AC VOLTAGE **240** VOLTS

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



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

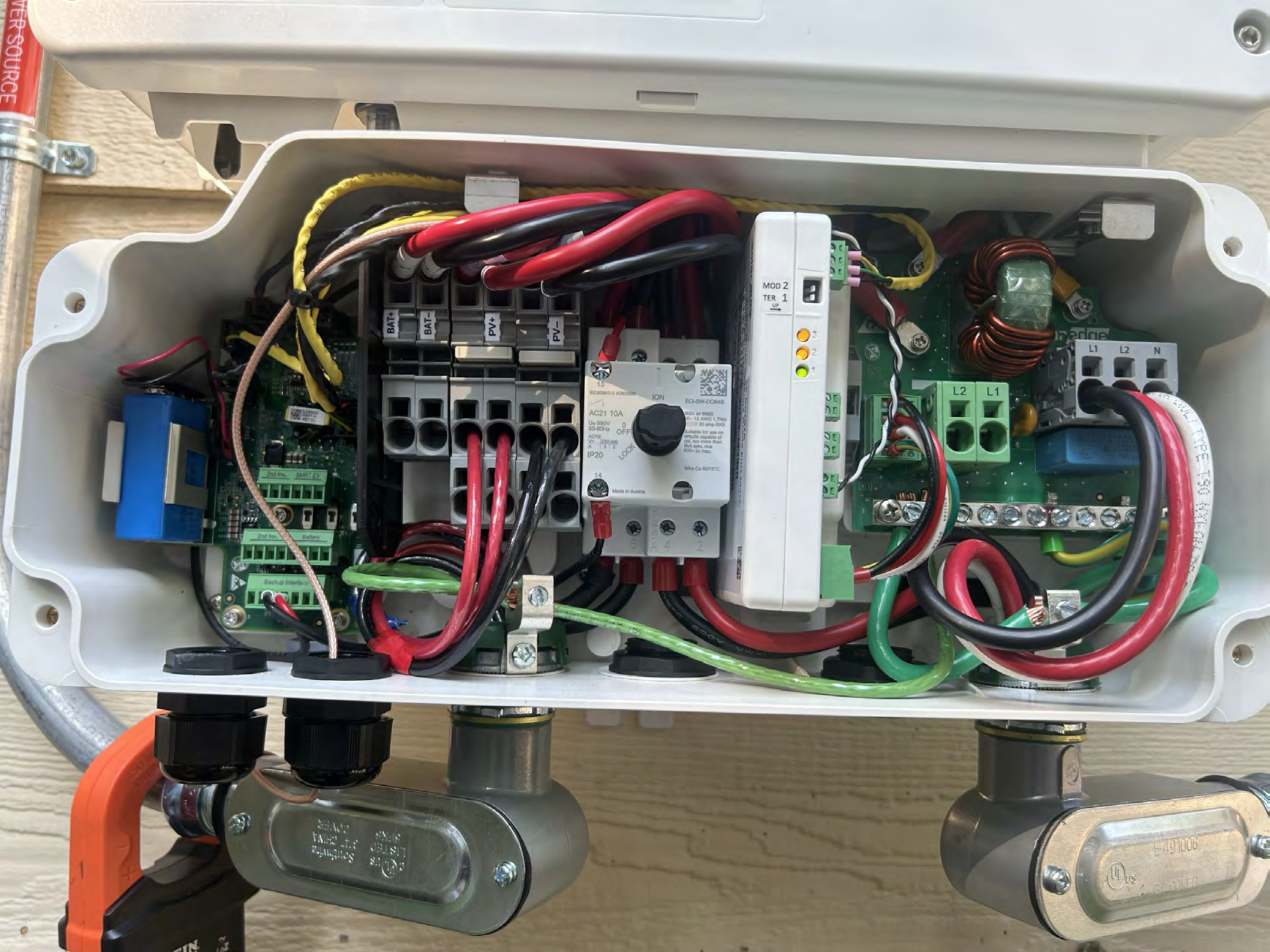
RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

ON
1

OFF
0



E-491006
304130V1R
CUTLER-KEMPER



ER SOURCE

BAT+
BAT-
PV+
PV-

13
AC21 10A
ION
ECL-SW-D084S
U_n 690V
50-60Hz
ACW
I_n 3200A
A 1.1/2
IP20
Lock
14
Made in Austria
Wira Cu 6070°C
100V at 6000
10-12 AMP/ 1.7mm
20 amp R03
Suitable for use on
temporarily overload of
cable, but more than
20 amp, max.
600V so max.

MOD 2
TER 1

3
2
1

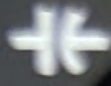
L1 L2 N

L2 L1

2nd Inv. SMART E.V.
2nd Inv. Battery
Backup Interface

SEAL
FINGER PRO
PLUGGING

E-491006
COVER



Hz%



A~

V~

OFF

NCV

SEL

RANGE

MAX MIN

ZERO

6000 Counts

600A AC/DC Digital Clamp Meter



True RMS TOUGH METER

CAT III 1000V
CAT IV 600V

COM



VΩ
Hz % Temp



Hz%



A~

V~



NCV

OFF

SEL

RANGE

MAX MIN

ZERO

6000 Counts

600A AC/DC Digital Clamp Meter



True RMS TOUGH METER

CAT III 1000V
CAT IV 600V

COM



VΩ
Hz % Temp



solar edge SE7600H — US
Grid Support Utility Interactive Non-Isolated Photovoltaic Inverter With stand — alone Mode

Operating Voltage Range	270 — 480 VAC
Max Input Current	31 Aac
Max Continuous Output Power Grid Connected	7600 Wac @ 240V
Max Continuous Output Power and Current Stand-alone Mode	7.6 KVA 32A
Voltage Min — Nom — Max	11.4 KVA 48A
	211 — 240 — 264 VAC
Max Stand-alone Capacity	11.4 KVA
Max Continuous Output Current Grid Connected	32Aac
Max Output Fault Current	74 Aac
Max Utility Backfeed Current	0 Aac
Frequency Min — Nom — Max	59.3 — 60.0 — 60.5 Hz
Output Power Factor	+/- 0.85 — 1
Max Ambient Temperature	60 C
Enclosure	IP65/NEMA 4X
With integrated ground fault protection per NEC 690.35 (C)	
Type 1 Photovoltaic Arc — Fault Circuit — Protection	


ATTENTION: The maximum operating current of this system may be controlled electronically. Refer to manufacturer's instructions for more information.

ETL Intertek 4004590

Wi-Fi Password: 47Xq9D1T
 Activation: M8B6 NYXQ FZ70 6RCK h8 18Vd mYn
 WIFI MAC: 84:D6:C5:A0:61:7F

PN: SE7600H — USMNUBL15
 SN: SB1824 — 07508ABDD — 05




solar edge 

PHOTOVOLTAIC RAPID SHUTDOWN SYSTEM

solar edge  **7508ABDD-05**

ETL LISTED CONFORMS TO ANSI/UL 1741 CERTIFIED TO CAN/CSA C22.2 NO 107

Intertek 4004590 

Grid Support Interactive Inverter — CSA C22.3 No. 9 — Basis or "Grid Support Interactive Inverter — CSA C22.3 No. 9 — Supplemental". The enclosed 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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

PATENT MARKING NOTICE: SEE www.solaredge.com/groups/patent
 MADE IN USA From Imported Parts

LINE

SNAP-IN
2ND

SNAP-IN
2ND

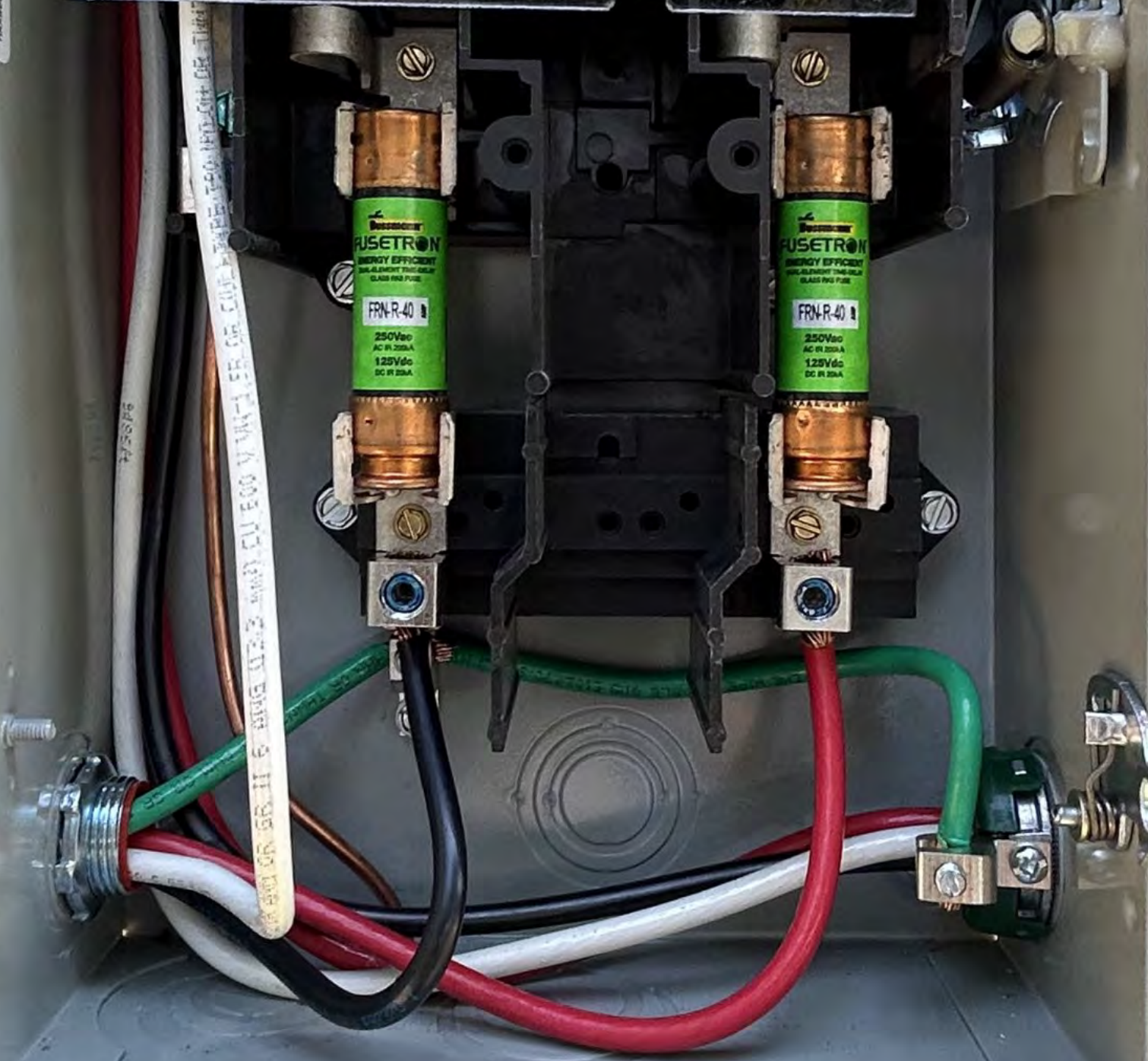
REINSTALL AFTER WIRING
REINSTATE DESPUÉS DEL CABLEADO
REINSTALLER APRÈS L'INSTALLATION ÉLECTRIQUE
INSTALL 1ST

FUSETRON
ENERGY EFFICIENT
FUSIBLE TERMINAL BLOCK
GLASS FIBER FUSE
FRN-R-40
250Vac
AC IN 200A
125Vdc
DC IN 20A

FUSETRON
ENERGY EFFICIENT
FUSIBLE TERMINAL BLOCK
GLASS FIBER FUSE
FRN-R-40
250Vac
AC IN 200A
125Vdc
DC IN 20A



FRN-R-40 250Vac AC IN 200A 125Vdc DC IN 20A





Bussmann
JSETRON
ENERGY EFFICIENT
DUAL-ELEMENT TIME-DELAY
CLASS RK5 FUSE
FRN-R-40
250Vac
AC IR 200A
125Vdc
DC IR 20A

Bussmann
JSETRON
ENERGY EFFICIENT
DUAL-ELEMENT TIME-DELAY
CLASS RK5 FUSE
FRN-R-40
250Vac
AC IR 200A
125Vdc
DC IR 20A

600V 1000V 1500V 2000V 2500V 3000V 3500V 4000V 4500V 5000V 5500V 6000V 6500V 7000V 7500V 8000V 8500V 9000V 9500V 10000V

011-3

MADE IN CHINA



K10

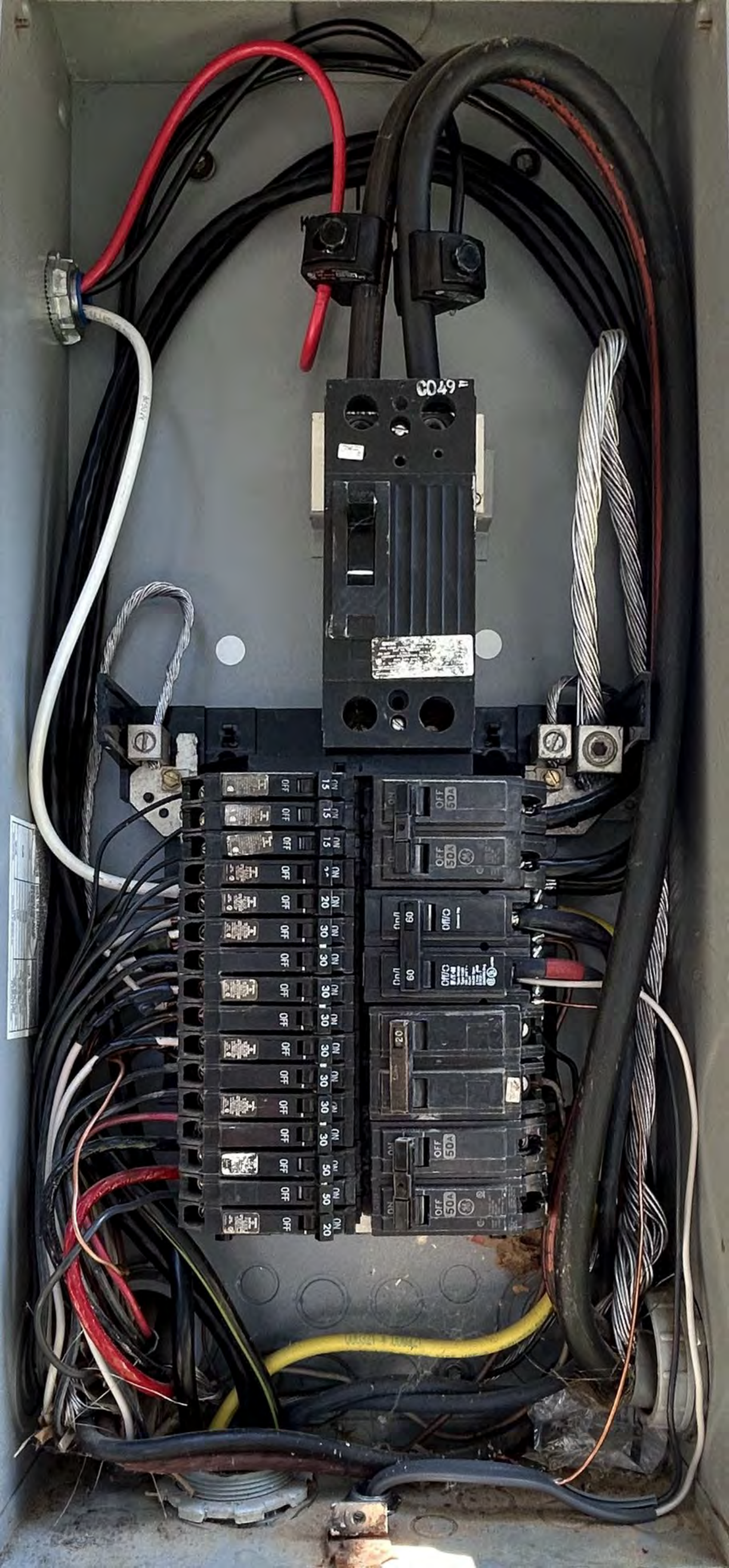
DX

ALuminum ALuminum ALuminum 600 VOLTS (U)

G049

10 250 18 W

ON



6049 F

NI	15	OFF
NI	15	OFF
NI	15	OFF
NI	20	OFF
NI	30	OFF
NI	30	OFF
NI	30	OFF
NI	30	OFF
NI	30	OFF
NI	30	OFF
NI	50	OFF
NI	50	OFF
NI	20	OFF

OFF	50A
OFF	50A
09	09
09	09
20	
OFF	50A
OFF	50A

2nd ground rod



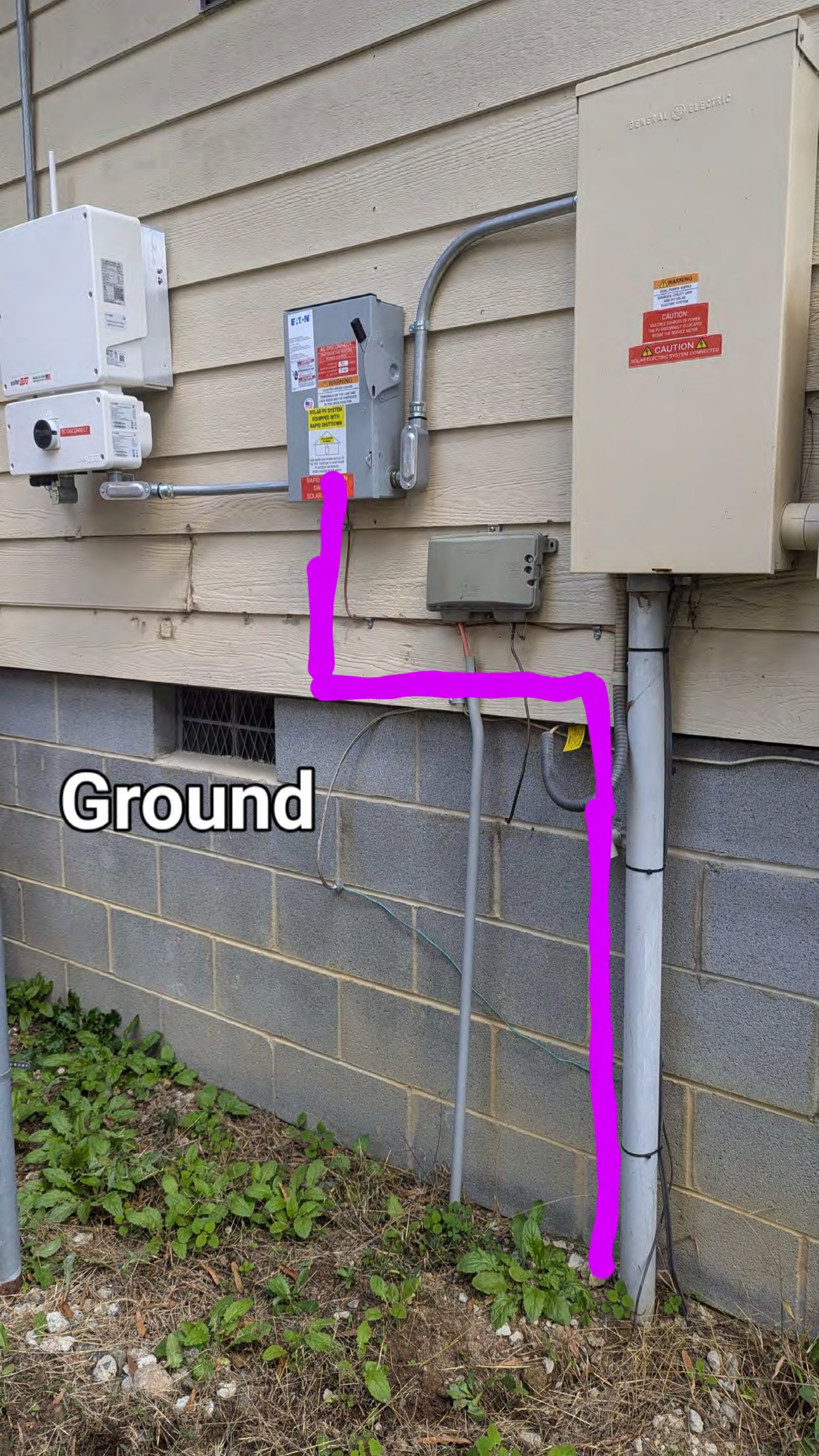


**Ground rod to
MSP**





**2nd ground
rod over 6'
from 1st**



GENERAL ELECTRIC

WARNING
SOLAR POWER SUPPLY
DISCONNECT UTILITY GRID
AND PV FROM ALL
ELECTRIC SYSTEMS

CAUTION:
MULTIPLE SOURCES OF POWER
THE PV DISCONNECT IS LOCATED
BEHIND THE SERVICE METER

CAUTION
SOLAR ELECTRIC SYSTEM CONNECTED

E-T-N

AC DISCONNECT
FOR SOLAR PV SYSTEMS
EQUIPPED WITH
RAPID SHUTDOWN

WARNING
DISCONNECT ON THE LINE AND
LOAD BEHIND THIS DISCONNECT
IN THE OPEN POSITION

**SOLAR PV SYSTEM
EQUIPPED WITH
RAPID SHUTDOWN**

WARNING
This device disconnects service to
the AC system in the event of
a PV system fire and allows
safe maintenance of the system

**RAPID
SH
SOLAR**

Ground

A close-up photograph of a metal ground rod installed in a hole in the ground. The rod is a dark, cylindrical metal pipe with a hexagonal nut and washer at the top. A copper wire is attached to the side of the rod. The surrounding soil is dark brown and appears moist. Some dried plant matter and roots are visible in the soil.

**Continuous
Ground**



**Both grounds
Below grade**







Ground flags









2nd ground rod



**First ground rod
to MSP**

A photograph showing a yellow measuring tape laid out on a lawn. Two yellow flags are circled in pink. The text "Grounding Flags" is overlaid in the bottom right corner. The scene includes a wooden post, a concrete wall, and a downspout.

**Grounding
Flags**



AC Disconnect Split bolt to Existing Ground





**2nd acorn to
2nd ground rod**









**Distance from
1st ground rod**

Two white electrical boxes are mounted on the left side of the wall. The top box is a solar inverter with a 'PV DISCONNECT' label. The bottom box is a solar disconnect switch with a 'PV DISCONNECT' label and a black handle.

A grey E-T-N solar disconnect switch is mounted in the center. It features several safety labels: 'AC DISCONNECT FOR SERVICE ENTRY', 'WARNING', 'SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN', and 'RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM'.

A small grey electrical box is mounted on the wall, with wires connected to it. A grey conduit runs vertically down the wall from this box.

A large tan General Electric (GE) electrical panel is mounted on the right side of the wall. It has the 'GENERAL ELECTRIC' logo at the top and two warning labels: 'WARNING: SMALL POWER SUPPLY' and 'CAUTION: SOLAR ELECTRIC SYSTEM CONNECTED'.





3/4 HW

ⓔ



