



PHOTOVOLTAIC POWER SOURCE

PHOTOVOLTAIC POWER SOURCE

EZY  
SOLAR

INVERTER  
WARRANTY  
SPECIFICATIONS









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**JA SOLAR 晶澳**  
Crystalline Silicon Photovoltaic Modules



**WARNING: High Voltage! - High Voltage! - High Voltage!**  
The solar panel is energized by sunlight. It can be dangerous to touch the solar panel or its wiring. Do not touch the solar panel or its wiring.

1871 South 20th Avenue, Phoenix, AZ 85004, USA



Complies with the requirements of the National Electrical Code (NEC) and the International Building Code (IBC) for use in the United States. Complies with the requirements of the Canadian Electrical Code (CEC) for use in Canada. Complies with the requirements of the Australian Standard AS/NZS 3100 for use in Australia. Complies with the requirements of the South African Standard SANS 104 for use in South Africa. Complies with the requirements of the New Zealand Standard NZS 5437 for use in New Zealand. Complies with the requirements of the South Korean Standard KS X 10000 for use in South Korea. Complies with the requirements of the Chinese Standard GB 18883 for use in China. Complies with the requirements of the Indian Standard IS 15650 for use in India. Complies with the requirements of the Japanese Standard JIS C 8703 for use in Japan. Complies with the requirements of the Mexican Standard NOM-001-SENER for use in Mexico. Complies with the requirements of the South African Standard SANS 104 for use in South Africa. Complies with the requirements of the New Zealand Standard NZS 5437 for use in New Zealand. Complies with the requirements of the South Korean Standard KS X 10000 for use in South Korea. Complies with the requirements of the Chinese Standard GB 18883 for use in China. Complies with the requirements of the Indian Standard IS 15650 for use in India. Complies with the requirements of the Japanese Standard JIS C 8703 for use in Japan. Complies with the requirements of the Mexican Standard NOM-001-SENER for use in Mexico.

**TYPE JAM4231-40/M6**

Peak power (P <sub>max</sub> )	405 W
Open circuit voltage (V <sub>oc</sub> )	37.23 V
Max power voltage (V <sub>mp</sub> )	31.24 V
Short circuit current (I <sub>sc</sub> )	12.67 A
Max power current (I <sub>mp</sub> )	12.96 A
Power tolerance	±3%

Peak production tolerance: ±3%  
Open circuit voltage tolerance: ±3%  
Short circuit current tolerance: ±3%  
Maximum system voltage: 1000 V

Module fire performance: Type 1  
Safety class based on IEC 61730: Class B  
Maximum temperature production voltage: 55°C



Current Class: M  
ASSEMBLED IN USA WITH  
MONOCRYSTALLINE CELLS



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**CAUTION**  
DO NOT ATTEMPT TO REPAIR OR  
REPLACE THIS EQUIPMENT. CONTACT  
THE MANUFACTURER FOR SERVICE.  
PHOTOVOLTAIC SYSTEMS ARE  
DESIGNED TO OPERATE AT 120V AC.  
EQUIPMENT SHOULD BE INSTALLED AND  
OPERATED IN ACCORDANCE WITH THE  
INSTALLATION MANUAL. CONTACT THE MANUFACTURER FOR  
SERVICE INFORMATION.

SM2223-016757ESF-6A  
120V AC  
120V AC  
120V AC

**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.



120V AC / 15A  
8-60V/14.5A  
Nominal Voltage: 1V  
NA03 SM2223-016757ESF-6A  
Mexico S440-1GM4MRM



STOP

Do Not  
Remove

18757E5F-6A



SolarEdge Technologies Ltd.  
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.

SolarEdge Technologies Ltd.  
Power Optimizer

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

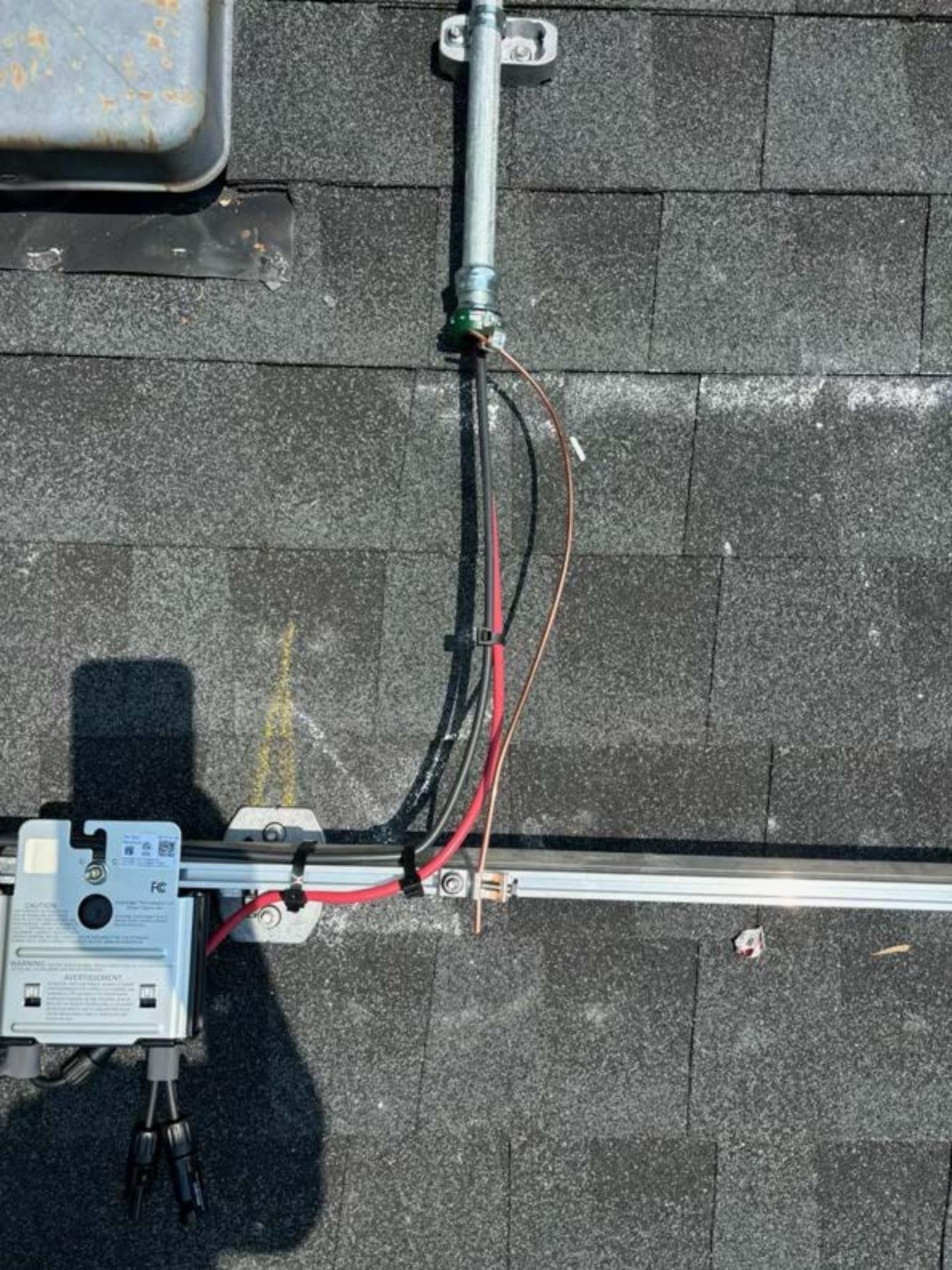
## WARNING

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

## AVERTISSEMENT

RISQUE DE CHOC ELECTRIQUE: QUAND LE CHAMP PHOTOVOTAIQUE EST EXPOSE A LA LUMIERE, UNE TENSION CC EST FOURNIE A CET EQUIPEMENT.  
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CAUTION

WARNING

AVERTISSEMENT























solar**edge**



Made in the USA  
from imported parts

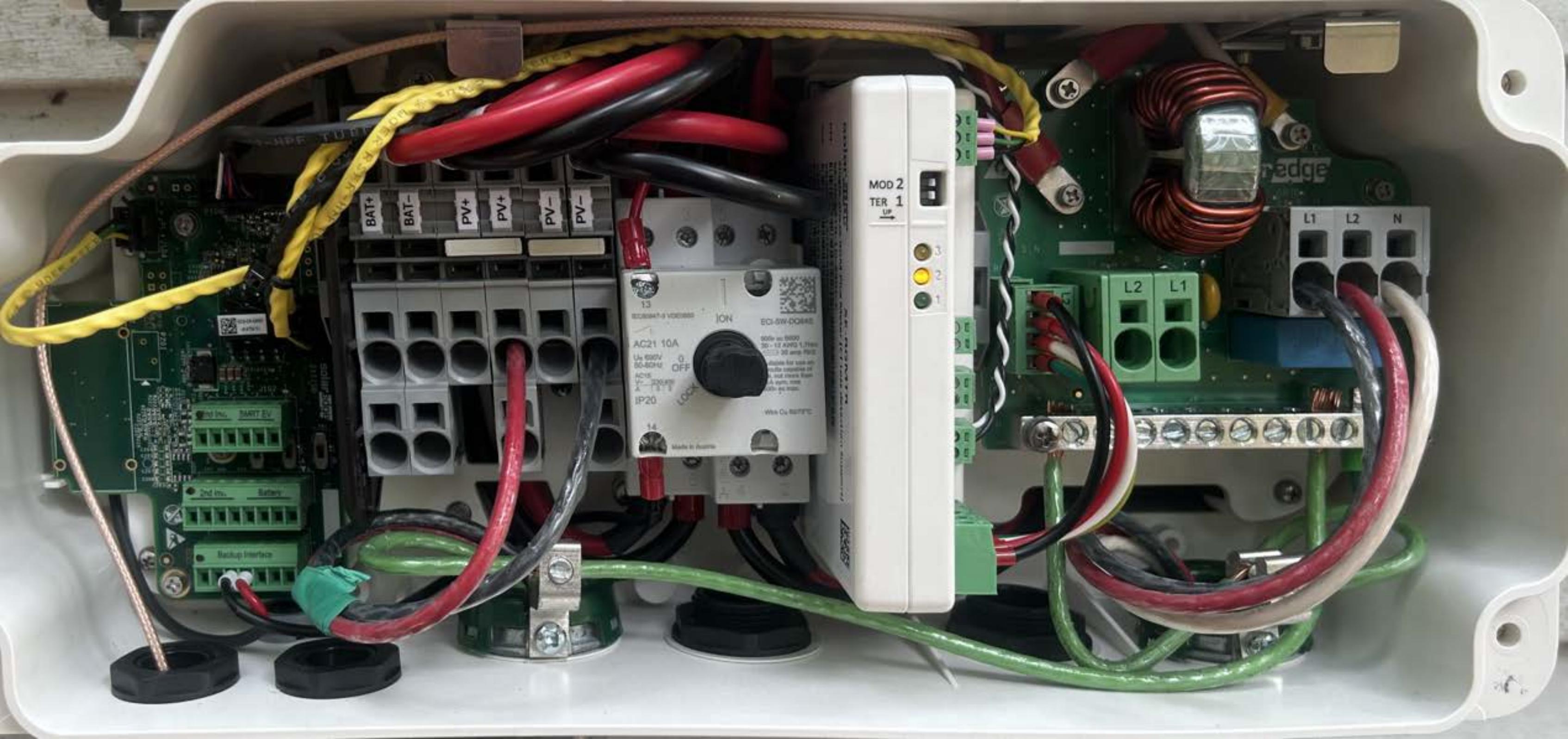
OFF

ON



DC DISCONNECT

solar**edge**



BAT+  
BAT-  
PV+  
PV+  
PV-  
PV-

13  
AC21 10A  
14  
ION  
ECI-SW-D084E  
800V ac 50/60  
30-12 AMP 1.75mm  
30 30 amp 100  
OFF  
LOCK  
Web Cx 8077°C  
Made in Austria

MOD 2  
TER 1  
UP

3  
2  
1

L2  
L1

L1  
L2  
N

edge

Hz %

$\Omega$

A  $\sim$

V  $\sim$

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



V  $\Omega$   
Hz % Temp



PHOTOVOLTAIC  
SYSTEM kWh METER



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

**⚠ WARNING**  
POWER SOURCE  
OUTPUT CONNECTION  
DO NOT RELOCATE THIS  
OVERCURRENT DEVICE

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

**RAPID SHUTDOWN  
SWITCH FOR  
SOLAR PV SYSTEM**

**⚡ CAUTION ⚡**  
SOLAR ELECTRIC SYSTEM CONNECTED

SOLAR PV BREAKER  
BREAKER IS BACKFED  
DO NOT RELOCATE





GE  
THQ12120  
TYPE THERM  
1200/240V - CT  
100A INT MOTOR  
MAXI RMS STN  
1.4A AMP  
WIRE C1 / AL  
60/75 °C  
TORQUE  
20 IN. - LBS  
MADE IN DD  
Q237 @ 4804

20A  
OFF

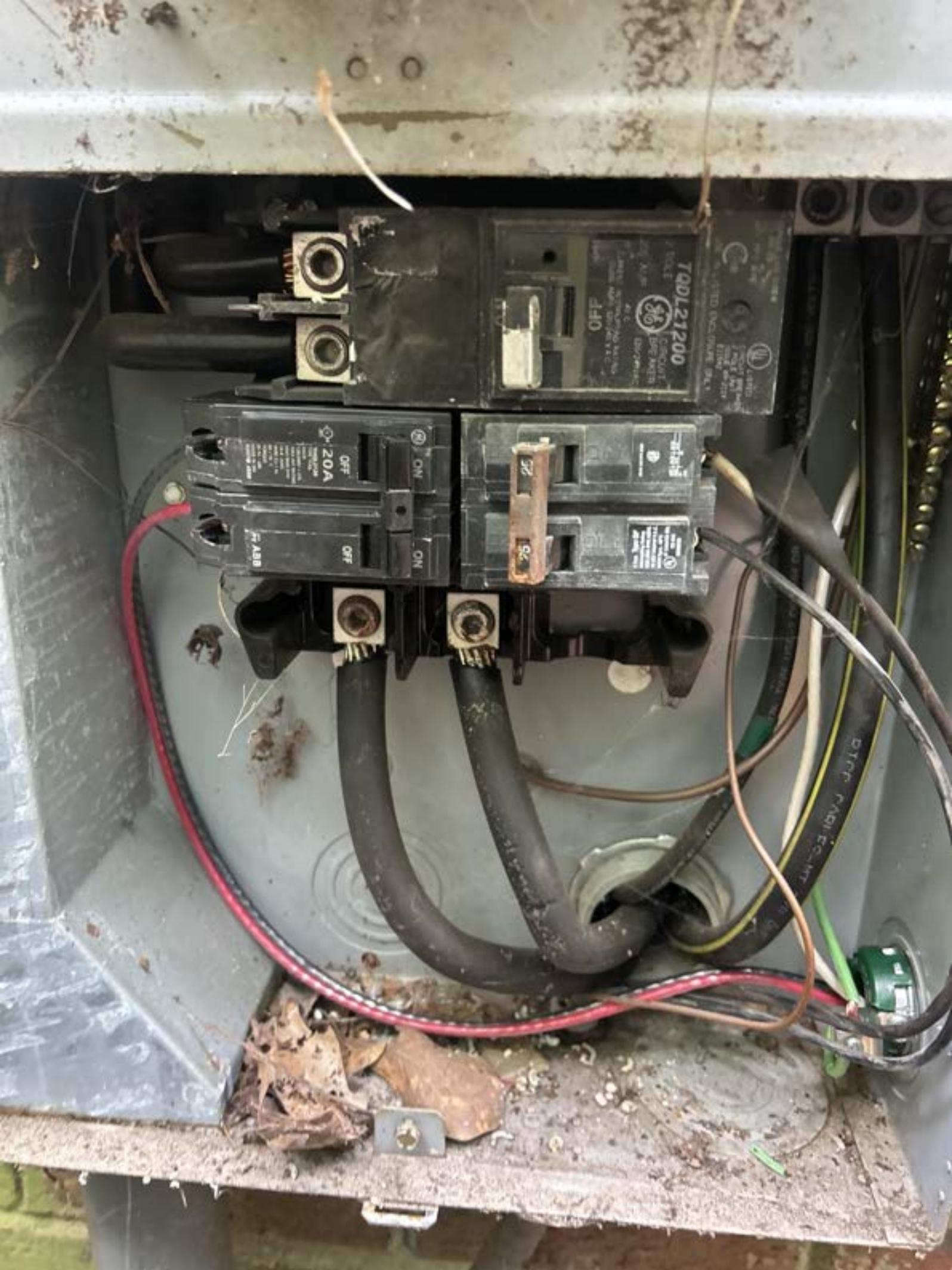
ABB

OFF

NO

27

26



TQDL21200

OFF

20A

OFF

NO

ON

DIFF RA01 FC-MT

# PHOTOVOLTAIC RAPID SHUTDOWN SYSTEM

solar **edge**



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



Intertek  
4004590

7513A582-AF



Grid Support Interactive Inverter - CSA C22.3  
No. 9 - Basic" or "Grid Support Interactive Inverter -  
CSA C22.3 No. 9 - Supplemental.

Contains FCC ID: 2AGPT-PLNX, IC: 20916-PNLX. 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.

(2) this device must accept any interference received,  
including interference that may cause undesired operation.

PATENT MARKING NOTICE: SEE [www.solaredge.com/group/patent](http://www.solaredge.com/group/patent)

Made in the USA From Imported Parts

solar **edge**

## StorEdge Connection Unit

Max DC Voltage (PV/Battery)  
Max DC Current (PV)  
Max AC Power (PV)  
Max AC Current (Battery)

480 Vdc  
62 Adc  
23.2 kWdc  
31 Adc  
11.8 kWac  
264 Vac



**solar**edge

**SE3800H – US**

**Grid Support Utility Interactive Non – Isolated  
Photovoltaic Inverter With stand – alone Mode**

Operating Voltage Range	270 – 480 Vdc
Max Input Current	31 Adc
Max Continuous Output Power Grid Connected	3800Wac @ 240V
Continuous Output Power and Current stand – alone	<input type="checkbox"/> 7.6 KVA 32A <input type="checkbox"/> 11.4 KVA 48A <input type="checkbox"/> 12.5 KVA 52A
Max Continuous Output Power stand – alone (Up to 30 °C )	211 – 240 – 264
Voltage Min – Nom – Max	183 – 208 – 229 Vac
Max Continuous Output Current Grid Connected	16Aac
Max Output Fault Current	90 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 manufacturers instructions for more information.

Activation: y7gE YFZC Slax Kh + J 1YFC cWu + BGk =

Wi – Fi Password:

Bg2z4W1A

WiFi MAC:

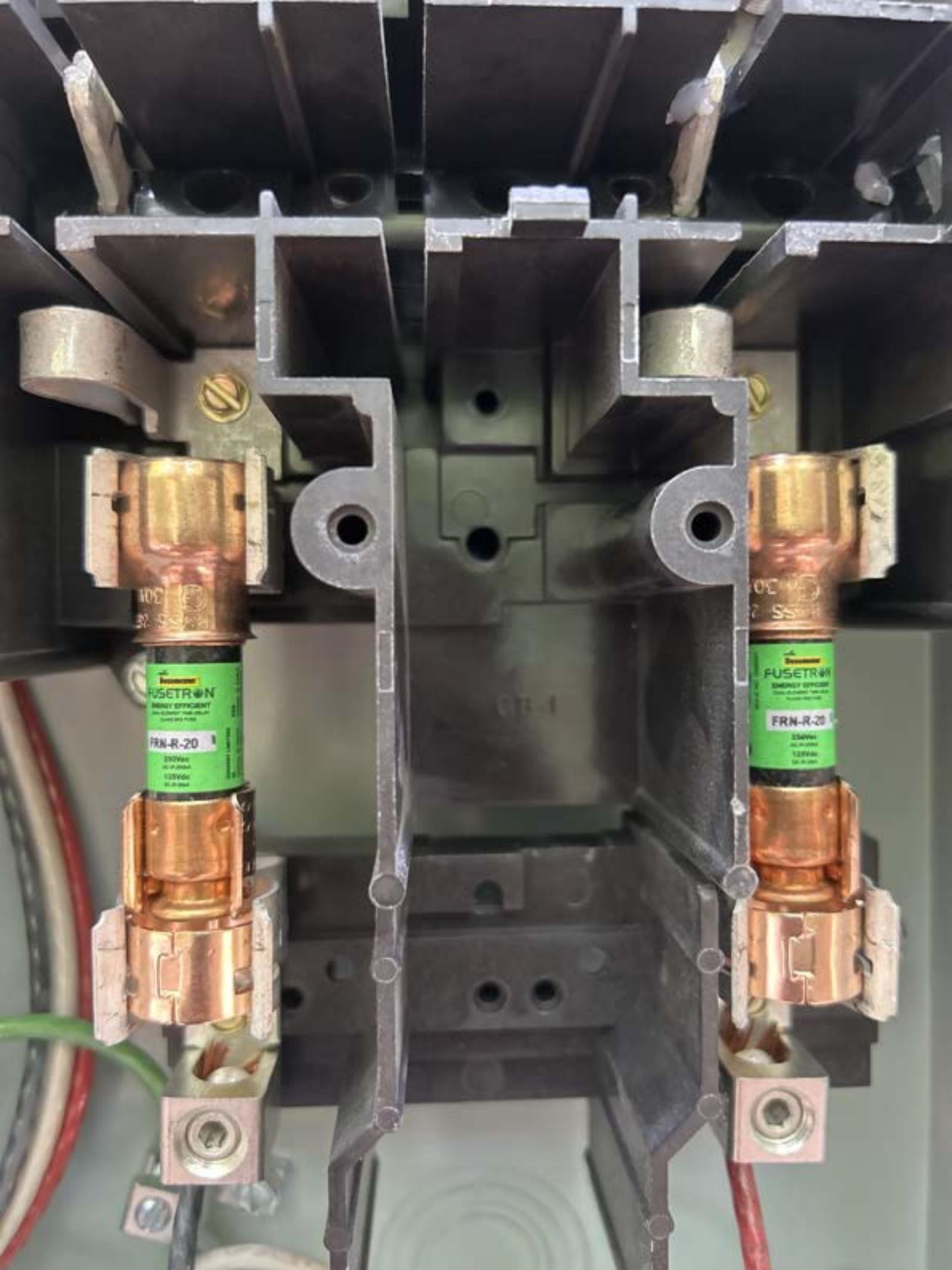
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PN: USE3800H – USMNBE78

SN: SB2125 – 07513A582 – AF







FUSETRON  
ENERGY EFFICIENT  
FRN-R-20  
250VAC  
125VDC  
250W

FUSETRON  
ENERGY EFFICIENT  
FRN-R-20  
250VAC  
125VDC  
250W

