SR.# PHOTOVOLTAIC ROOF MOUNT SYSTEM **PROJECT INFORMATION PV MODULES** 26 x Canadian Solar CS6.1-54TM-460H 1 2 **INVERTER + BATTERY** 01 X POWERWALL3 THE INSTALLATION OF SOLAR ARRAYS AND PHOTOVOLTAIC POWER SYSTEMS SHALL COMPLY 3 **ROOF TYPE ASPHALT SHINGLES** WITH THE FOLLOWING CODES: 2020 NATIONAL ELECTRICAL CODE 4 RACKING PSR-B84 RAILS (BLACK) 2018 NORTH CAROLINA RESIDENTIAL CODE 2018 NORTH CAROLINA BUILDING CODE **MOUNTING TYPE** 5 **INSTAFLASH2 (BLACK)** ALL OTHER ORDINANCE ADOPTED BY THE LOCAL GOVERNING AGENCIES



5112 Departure Drive,

Customer Information:

Tricia L Brookover

96 Declaration Dr.

Cameron, NC 28326

Customer Signature:

Sheet Name:

Raleigh NC 27616 O: 919.948.6474 E: info@8msolar.com

A LADDER SHALL BE IN PLACE FOR INSPECTION IN COMPLIANCE WITH OSHA REGULATIONS. THE SOLAR PV INSTALLATION SHALL NOT OBSTRUCT ANY PLUMBING, MECHANICAL, OR

- BUILDING ROOF VENTS. ROOFTOP MOUNTED PHOTOVOLTAIC PANELS AND MODULES SHALL BE TESTED, LISTED AND
- IDENTIFIED BY RECOGNIZED ELECTRICAL TESTING LABORATORY. MODULES AND SUPPORT STRUCTURES SHALL BE GROUNDED
- SOLAR INVERTER SHALL BE LISTED TO UL1741
- ALL CONDUCTORS SHALL BE COPPER AND SHOULD BE 75 AND 90 DEG RATED
- REMOVAL OF AN INTERACTIVE INVERTER OR OTHER EQUIPMENT SHALL NOT DISCONNECT THE BONDING CONNECTION BETWEEN THE GROUNDING ELECTRODE CONDUCTOR, THE PHOTOVOLTAIC SOURCE AND OUTPUT CIRCUIT GROUNDED CONDUCTORS.
- LIVE PARTS OF PV SOURCE CIRCUITS AND PV OUTPUT CIRCUITS OVER 150V TO GROUND SHALL NOT BE ACCESSIBLE TO OTHER THAN QUALIFIED PERSONS WHILE ENERGIZED.
- ALL PV MODULES AND ASSOCIATED EQUIPMENT AND WIRING SHALL BE PROTECTED FROM PHYSICAL DAMAGE.

SOLAR CONTRACTOR

CODE AND STANDARDS

SITE NOTES / OSHA REGULATION

- MODULE CERTIFICATIONS INCLUDE UL1703, IEC61646, IEC61370.
- IF APPLICABLE, MODULE GROUNDING LUGS MUST BE INSTALLED AT THE MARKED GROUNDING LUG HOLES PER THE MANUFACTURERS INSTALLATION REQUIREMENTS.
- AS INDICATED BY DESIGN, OTHER NRTL LISTED MODULE GROUNDING DEVICES MAY BE USED IN PLACE OF STANDARD GROUNDING LUGS AS SHOWN IN MANUFACTURER DOCUMENTATION AND APPROVED BY THE AHJ.
- ALL MICROINVERTERS, PHOTOVOLTAIC MODULES, AC COMBINERS, DC-AC CONVERTERS AND SOURCE CIRCUIT COMBINERS INTENDED FOR USE IN A PHOTOVOLTAIC POWER SYSTEM WILL BE IDENTIFIED AND LISTED FOR THE APPLICATION PER NEC690.4(B).
- ALL SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH LOCAL BUILDING CODE.
- TERMINALS AND LUGS WILL BE TIGHTENED TO MANUFACTURER TORQUE SPECIFICATIONS (WHEN PROVIDED) IN ACCORDANCE WITH NEC CODE 110.14(D) ON ALL ELECTRICAL CONNECTIONS.
- 7. MAX DC VOLTAGE CALCULATED USING MANUFACTURER PROVIDED TEMP COEFFICIENT FOR VOC UNLESS NOT AVAILABLE.

SR.#	PROJECT INFORMATION			
1	PV1	DRAWING INDEX		
2	PV2	SITE LAYOUT		
3	PV3	STRING MAPPING		
4	PV4	ELECTRICAL ONE LINE DIAGRAM		
5	PV5	DETAILED ELECTRICAL WIRING SCHEMATIC		
6	PV6	PV LABELS		
7	PV7	BILL OF MATERIALS		
8	PV8	ATTACHMENT DETAILS		

Springs

Fuguay-Varin

Lillington

Anderson

Hope

Fayetteville

Cedar

Creek

96 Declaration Dr, Cameron, NC 28326.

United States

Angier

(15)

(421)

DC SIZE

AC SIZE

6

7

SITE LAYOUT					
STRING MAPPING					
ELECTRICAL ONE LINE DIAGRAM					
DETAILED ELECTRICAL WIRING SCHEMATIC					
PV LABELS					
BILL OF MATERIALS					
ATTACHMENT DETAILS					
Pa Br					

11.96 KW

11.5 KVA

Drawing Index JOB NUMBER: 25-689-JB



Date:	Revision:
09/24/2025	А
Sheet Size:	Sheet Number:
ANSI C 17" X 22"	PV1

DESIGN CRITERIA WIND SPEED: 120 MPH **GROUND SNOW LOAD: 10 PSF** WIND EXPOSURE FACTOR: B

UTILITY COMPANY: CENTRAL ELECTRIC MEMBERSHIP **CORP**

PERMIT ISSUER (AHJ): HARNETT COUNTY

SCOPE OF WORK INSTALLATION OF UTILITY INTERACTIVE PHOTOVOLTAIC SOLAR SYSTEM.

VICINITY MAP

TOP VIEW OF THE BUILDING





	ROOF DESC		MODUI	LE DIMENSIONS	
ROOF	PITCH	AZIMUTH	NO. OF MODULES		44.6 in.
А	36°	220°	15	_	
В	45°	130°	05	70.9 in.	
С	36°	220°	06		
		Roof A,B & C	has no vents		

• No vents will be covered by

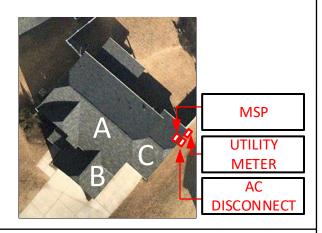
PV modules during the

installation.

PV System Dead Load (Panel + Racking weight) / PV System Area

(No. of panels x Weight of panel(lbs.) +Length of racking(ft.) x 1.15 lb.ft) / (No. of panels x Height x Width) = Total psf

ROOF	А	В	С	
DEAD LOAD (PSF)	2.68	2.67	2.67	

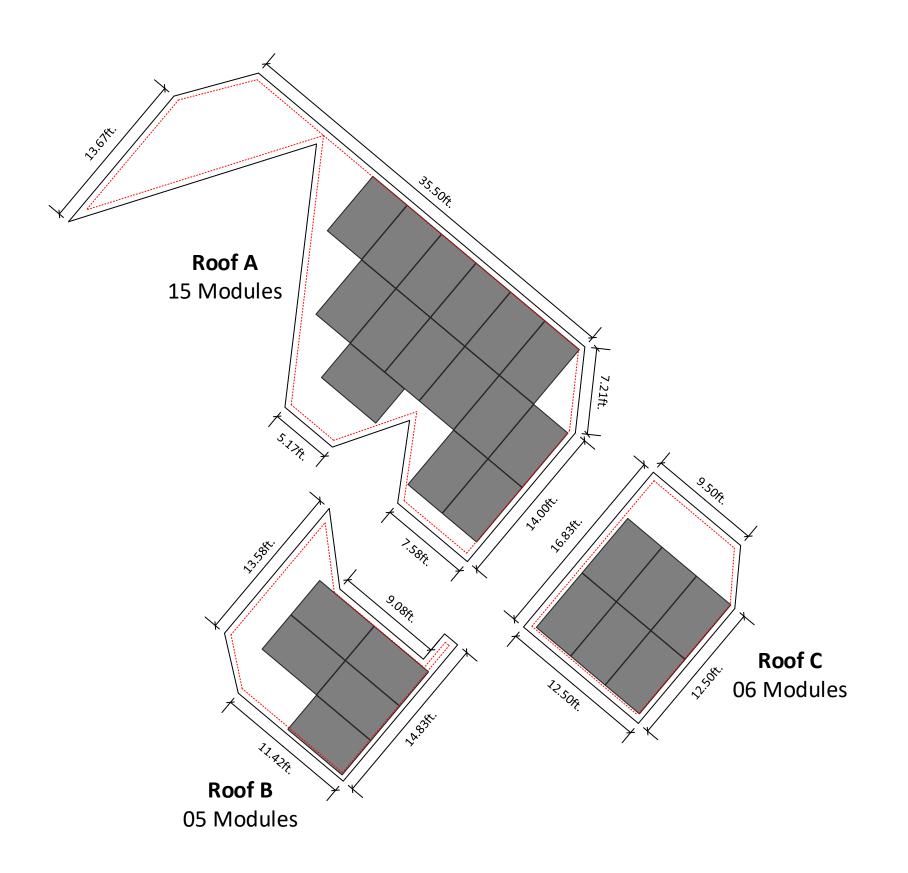


SYSTEM DETAILS

NUMBER OF PANELS: 26

PANELS MODEL: CANADIAN SOLAR CS6.1-54TM-460H

DC SIZE: 11.96 KW AC SIZE: 11.5 KVA





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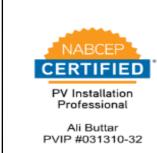
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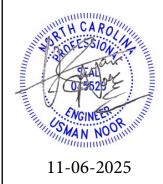
Site Layout

JOB NUMBER:

25-689-JB

Date:		Revision:
09/24	/2025	Α
Sheet Size	ze:	Sheet Number:
ANS 17" X		PV2



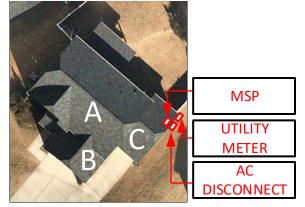


6in setback from sides of the roof

Vent

SITE LAYOUT SCALE: 1/8" - 1'

ROOF DESCRIPTION			MODU	LE DIMENSIONS			STRING	LAYOUT								
ROOF	PITCH	AZIMUTH	NO. OF MODULES		, '					44.6 in.	TESLA POWERWALL3					
А	36°	220°	15			Strings #	No. of Modules	Color	Strings #	No. of Modules	Color					
В	45°	130°	05	70.9 in		String 1	09		String 4	05						
С	36°	220°	06			String 2	06									
				\rightarrow		String 3	06									







NUMBER OF PANELS: 26

PANELS MODEL: CANADIAN SOLAR CS6.1-54TM-460H

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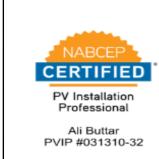
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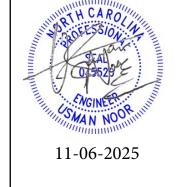
String Mapping

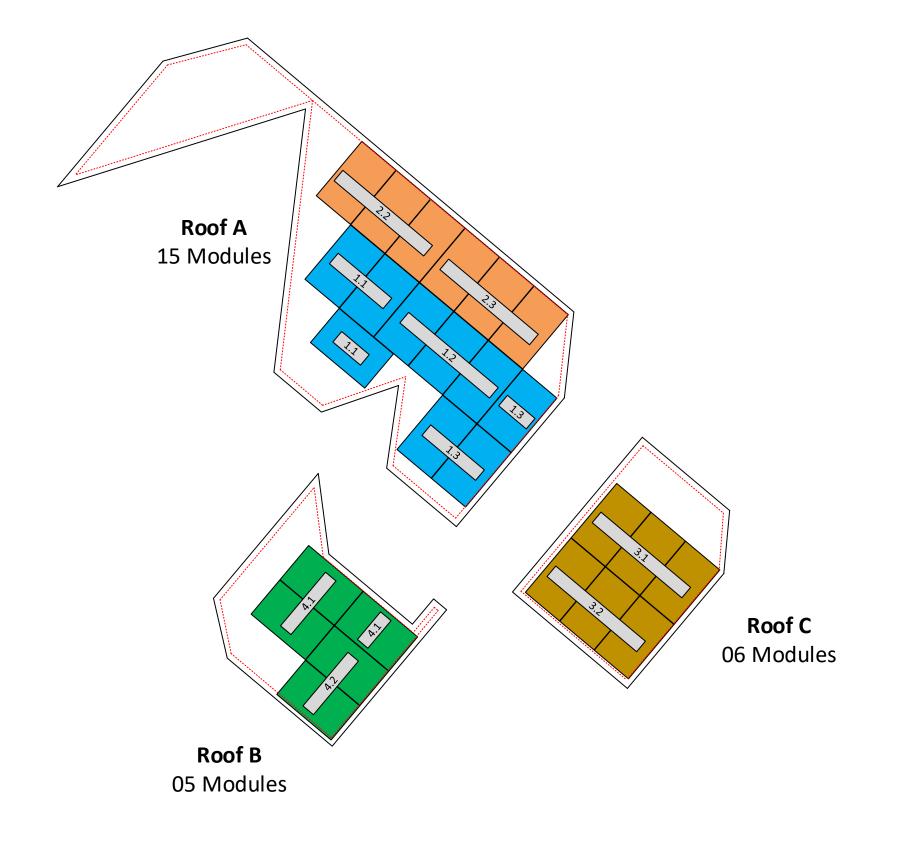
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25-689-JB

Date:	Revision:
09/24/2025	А
Sheet Size:	Sheet Number:
ANSI C 17" X 22"	PV3







6in setback from sides of the roof

Tesla MCI (Mid Circuit Interrupter)

N STRING MAPPING SCALE: 1/8" - 1'

	STRING CALCULATION					
String #	No of Modules	Estimated Power	lmax	Impp	Voc	Vmpp
1	09	4,140 W	21.49 Adc	13.78 Adc	353.7 Vdc	550 Vdc
2,3	06	2,760 W	21.49 Adc	13.78 Adc	235.8 Vdc	550 Vdc
4	05	2,300 W	21.49 Adc	13.78 Adc	196.5 Vdc	550 Vdc

NEC Code (2020) and UL Standard Refrences NEC 690.12 (A-D), Rapid Shut Down NEC Article 250.30(A) Grounding UL1741 NEC Table C.9, **Disconnecting Means** NEC 690.13 Conduit Fill 310.15(B)(3)(a) NEC Table 310, 15(B)(16, NEC 705.12 Feeder Sizing Interconnection 17) Over current NEC 690.9 Protection

8 M S O L A R

Service Side Work: Power Drop Required

FROM UTILITY

Utility

Meter

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Electrical One Line Diagram

JOB NUMBER:

25-689-JB

Date:	Revision:
09/24/2025	А

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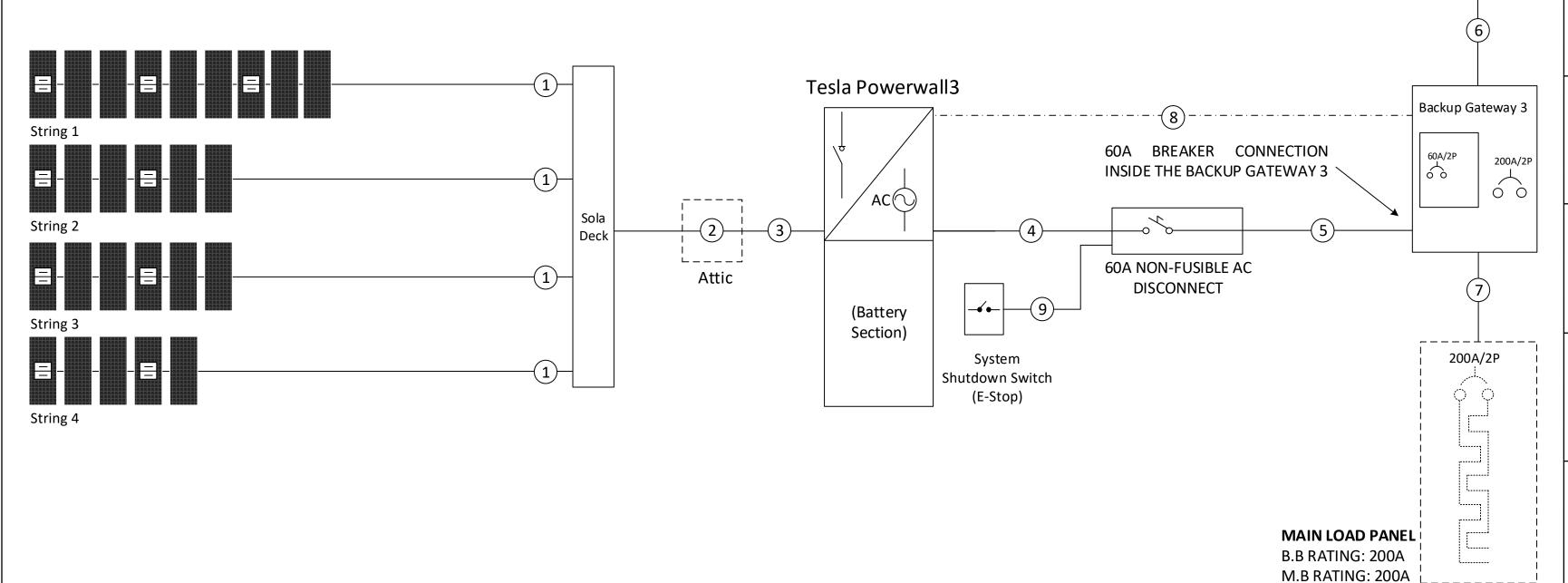
ANSI C 17" X 22"

PV4

PV Installation Professional
Ali Buttar PVIP #031310-32



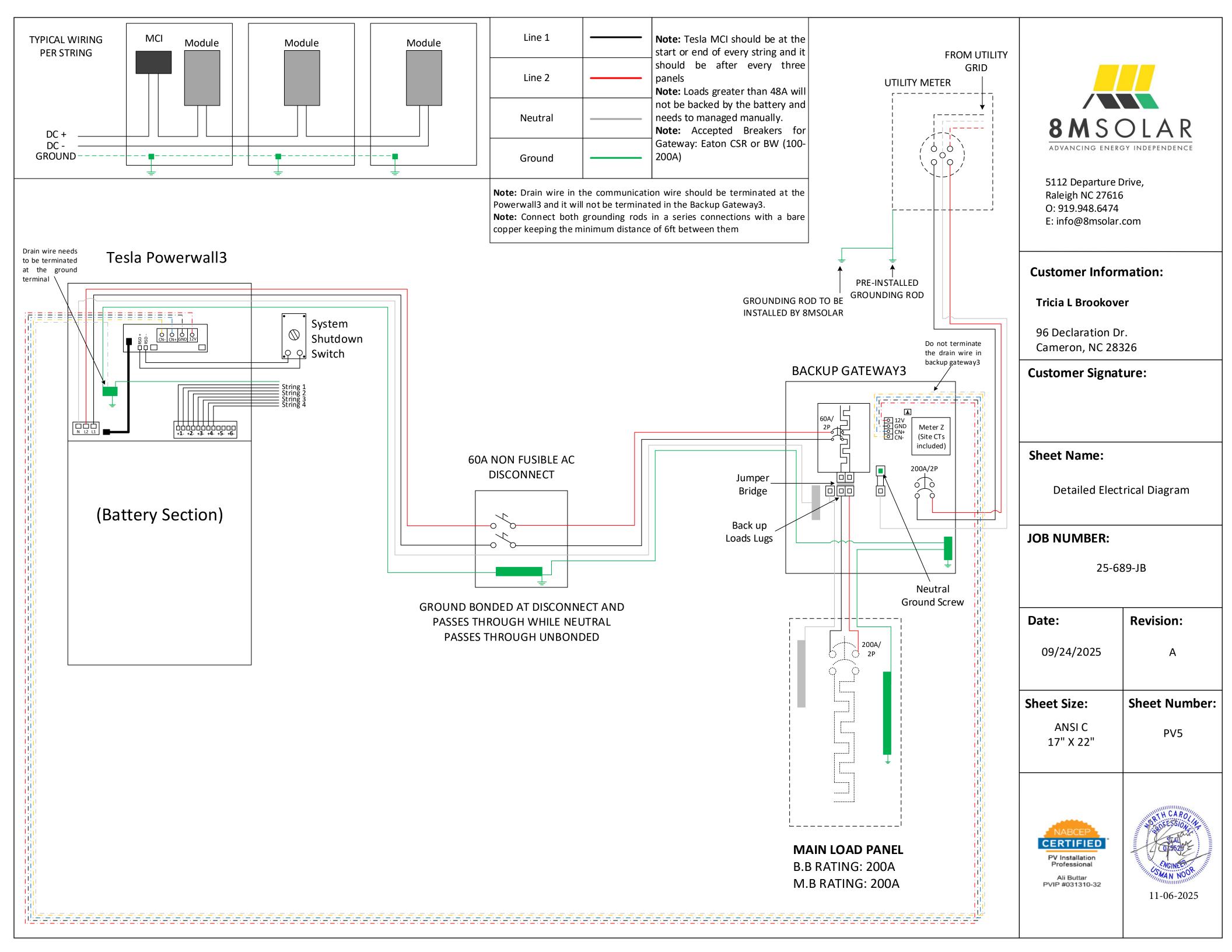
26 X CANADIAN SOLAR CS6.1-54TM-460H 460W TESLA MCI-2 HIGH CURRENT RAPID SHUTDOWN EQUIPPED

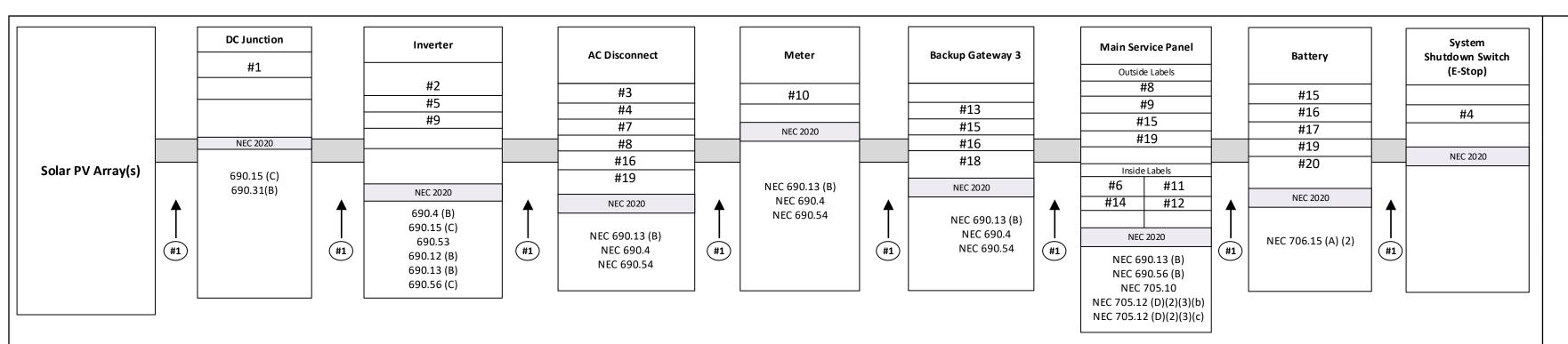


- System Size: 11,960W DC
- Battery Total Energy: 13.5 KWh
- (26) Canadian Solar CS6.1-54TM-460H
- (09) Tesla MCI-2 High Current
- (01) Tesla Powerwall3
- Inverter Output: 48A max @ 240 VAC (each)
- 11.5 kVA AC output max

- Grounding will be done via Pegasus grounding lugs and midclamps to ensure the rail and panels are continuously grounded.
- Rapid Shutdown is included in the Mid Circuit Interrupter, refer to Mid Circuit Interrupter and Inverter attached datasheets.
- The load center/disconnect will be visible, lockable, accessible to utility linesmen, and properly labeled per NEC requirements. It will be located on the exterior wall next to the utility meter.
- Prepare cable in usual manner.
- Stretch tape and apply half-lapped to form void-free joint.
 Degree of stretch is not critical and may vary in different sections of joint to accomplish void-free application.
- Protect the joint with two half-lapped layers of any scotch vinyl plastic electrical tape.

Sr.No	#Wire	Conduit Size	Ground Wire	Amperage	
1	2 x #10 PV		#10 Bare Cu	21.49	
2	8 x #10 THHN Cu	3/4" LFMC	#10 Green Cu	21.49	
3	8 x #10 THHN Cu	3/4" EMT	#10 Green Cu	21.49	
4	3 x #6 THHN Cu 2-conductor shielded (1 twisted pair) 18 AWG	1" EMT	#6 Green Cu	60	
5	3 x #6 THHN Cu	1" LFNC	#6 Green Cu	60	
6	3 x #3/0 THHN Cu	2" PVC		200	
7	3 x #3/0 THHN Cu	2" PVC	#4 Green Cu	200	
8	4-conductor shielded (2 twisted pair) 18 AWG				
9	2-conductor shielded (1 twisted pair) 18 AWG	1/2" LFNC			





8MSOLAR

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LABELING AND WARNING **SIGNS: NEC 2020**

A. PURPOSE

PROVIDE EMERGENCY RESPONDERS WITH APPROPRIATE WARNING AND GUIDANCE WITH RESPECT TO ISOLATING THE SOLAR ELECTRIC SYSTEM. THIS CAN FACILITATE IDENTIFYING ENERGIZED ELECTRICAL LINES THAT CONNECT THE SOLAR PANELS TO THE INVERTER, AS SHOULD NOT BE CUT WHEN VENTING FOR SMOKE REMOVAL.

B. MAIN SERVICE DISCONNECT:

- 1. RESIDENTIAL BUILDINGS- THE MARKING MAY BE PLACED WITHIN THE MAIN SERVICE DISCONNECT. THE MARKING SHALL BE PLACED ON THE OUTSIDE COVER IF THE MAIN SERVICE DISCONNECT IS OPERABLE WITH THE SERVICE PANEL CLOSED.
- 2. COMMERCIAL BUILDINGS- THE MARKINGS SHALL BE PLACED ADJACENT TO THE MAIN SERVICE DISCONNECTCLEARLY VISIBLE FROM THE LOCATION WHERE THE LEVER IS OPERATED
- 3. MARKINGS, VERBIAGE, FORMAT AND TYPE OF MATERIAL
 - a. VERBIAGE: CAUTION; SOLAR ELECTRIC SYSTEM CONNECTED b. FORMAT:
 - (1) WHITE LETTERING ON A RED BACKGROUND
 - (2) MINIMUM 3/8 INCH LETTER HEIGHT
 - (3) ALL LETTERS SHALL BE CAPITALIZED
 - (4) ARIAL OR SIMILAR FONT, NON-BOLD

c. MATERIAL:

- (1) REFLECTIVE, WEATHER RESISTANT MATERIAL SUITABLE FOR THE ENVIRONMENT (USE UL-969) AS STANDARD FOR WEATHER RATING): DURABLE ADHESIVE MATERIALS MEET THIS REQUIREMENT.
- C. MARKING REQUIREMENTS ON DC CONDUIT, RACEWAYS, ENCLOSURES, CABLE ASSEMBLIES, DC COMBINERS AND JUNCTION BOXES;
 - 1. MARKING: PLACEMENT, VERBIAGE, FORMAT AND TYPE OF MATERIAL.
 - a. PLACEMENT: MARKINGS SHALL BE PLACED EVERY 10 (TEN) FEET ON ALL INTERIOR AND EXTERIOR DC CONDUITS, RACEWAYS, ENCLOSURES AND CABLE ASSEMBLIES, AT TURNS ABOVE AND/OR BELOW PENETRATIONS, ALL DC COMBINERS AND JUNCTION

BOXES.

- b. VERBIAGE: CAUTION SOLAR CIRCUIT c. THE FORMAT AND TYPE OF MATERIAL SHALL ADHERE TO
- D. INVERTERS ARE NOT REQUIRED TO HAVE CAUTION MARKINGS

SECTION B-3.B & C ABOVE

WARNING:PHOTOVOLATIC #1 **POWER SOURCE**

#2 **PHOTOVOLATIC** DC DISCONNECT

#3 PHOTOVOLATIC **AC DISCONNECT**

#4 **RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM**

#5 MAXIMUM VOLTAGE 550Vdc MAX. RATED CIRCUIT CURRENT 13.78Adc OF THE CHARGE CONTOLLER OR DC-TO-DC CONVERTER (IF INSTALLED)

PHOTOVOLTIVC POWER SOURCE **OPERATING AC VOLTAGE** 240 MAXIMUN OPERATING 48 AC OUTPUT CURRENT

#7 AC DISCONNECT PHOTOVOLTAIC SYSTEM **POWER SOURCE** OUTPUT CURRENT NOMINAL OPERATING 240 VOLTS **AC VOLTAGE**

#8 **WARNING ELECTRIC SHOCK HAZARD**

TERMINAL ON THE LINE AND LOAD SIDES MAY BE ENERGIZED IN THE **OPEN POSITION**

#15

#16

#17

#18

#19

#20

#9 WARNING **THREE POWER SOURCES SOURCES: UTILITY GRID, BATTERY AND**

PV SOLAR ELECTRIC SYSTEM

#10 /!\ WARNING /!\ THREE POWER SOURCES SOURCES: UTILITY GRID, BATTERY AND PV SOLAR ELECTRIC SYSTEM

#11 **WARNING**

> TURN OFF PHOTOVOLTAIC **AC DISCONNECT PRIOR TO WORKING INSIDE PANEL**

#12 **WARNING**

> **POWER SOURCE OUTPUT CONNECTION** DO NOT RELOCATE THIS OVERCURRENT DEVICE

#13 **WARNING**

> **SOLAR ELECTRIC** CIRCUIT BREAKER IS BACKFEED

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

SOLAR AC DISCONNECT Customer Information: LOCATED AT SOUTH-EAST SIDE

WALL OF THE HOUSE BESIDE

THE UTILITY METER

SERIVCE DISCONNECT LOCATED

IN THE BACKUP GATEWAY3

PANEL

BATTERY

MAIN BATTERY

SYSTEM DISCONNECT

BATTERY DISCONNECT LOCATED

IN THE BACKUP GATEWAY3

PANEL

ENERGY STORAGE

SYSTEM DISCONNECT

DATE CALCULATION PERFORMED 09/24/2025

240V

550V

160A

NOMINAL ESS AC VOLTAGE

NOMINAL ESS DC VOLTAGE

AVAILABLE FAULT CURRENT

DERIVED FROM THE ESS

Tricia L Brookover

96 Declaration Dr. Cameron, NC 28326

Customer Signature:

Sheet Name:

PV Labels

JOB NUMBER:

25-689-JB

Revision: Date: 09/24/2025 Α **Sheet Number: Sheet Size:** ANSI C PV6 17" X 22"





11-06-2025

Delle and Calling DCD DOA/DI	MODULE DIMENSIONS		CRIPTION	ROOF DES	
Rails and Splices : PSR-B84 (BL	44.6 in.	NO. OF MODULES	AZIMUTH	PITCH	ROOF
Rafter Spacing: 24 in	•	15	220°	36°	А
Marter Spacing 12 1 m	70.9 in	05	130°	45°	В
Attachment Span : 6ft	2	06	220°	36°	С
Attachment Span . Oit					

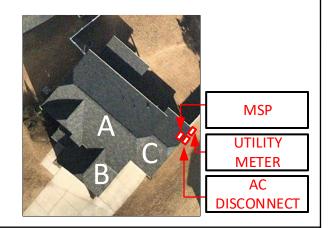
Roof A

15 Modules

Roof B

05 Modules

Rails and Splices : PSR-B84 (BLACK)	Roof Attachment : InstaFlash2
Rafter Spacing : 24 in	There is one layer of shingles Roofing material is asphalt shingles





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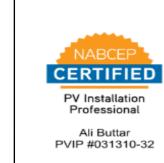
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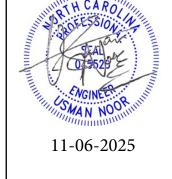
Bill of Material

JOB NUMBER:

25-689-JB

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Sheet Size:	Sheet Number:
ANSI C 17" X 22"	PV7





PV LABELS				
Sr No	Code	Qty		
01	02-314	12		
02	03-301	01		
03	03-302	01		
04	02-316	02		
05	03-308	01		
06	03-390	01		
07	03-306	01		
08	05-215	02		
09	05-230	02		
10	03-230	01		
11	05-372	01		
12	05-216	01		
13	05-342	01		
14	07-111	01		
15	8M-001	03		
16	8M-002	03		
17	03-395	01		
18	04-304	01		
19	8M-004	03		
20	03-511	01		

Roof C 06 Modules

RAILS AND MOUNTING SYSTEM

The roof is located in 120mph wind zone

- 38 x PSR-B84: Pegasus Rail, Black, 84" (7 Feet)
- 22 x PSR-SPLS: Pegasus Bonded, Structural Splice
- 36 x PSR-MCB: Pegasus Multiclamp, Mid/End, 30 to 40 mm, Black
- 32 x PSR-HEC: Pegasus Hidden End Clamp
- 10 x PSR-LUG: Pegasus Grounding Lug
- 66 x PSR-WMC: Pegasus Wire Management Clip
- 05 x PSR-CBG: Pegasus Cable Grip
- 32 x PSR-CAP: Pegasus End Cap
- 55 x PIF2-BDT: Instaflash2 Deck OR Rafter Attach With Dovetail T-Bolt
- 140 x PF-DRW85: Pegasus Fastener Deck-Rafter 85MM
- 52 x S6405: Heyco Wire Clips
- 02 x GEOC GC66100: SEALANT 2300 10.30Z CLEAR (20) GEOCEL 230 TRIPOLY CLEAR
- 15 x MULTI 32.0017P0001-UR: PV MC4 MALE (10) [1000]
- 15 x MULTI 32.0016P0001-UR: PV MC4 FEMALE (10) [1000]

SOLAR MODULES

• 26 x CANADIAN SOLAR CS6.1-54TM-460H

INVERTER & SUPPORTING ITEMS

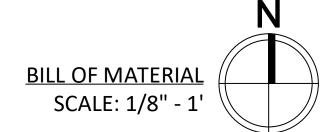
- 01 x 1707000-00-J :Tesla Powerwall3
- 09 x 1879359-15-B: Tesla MCI-2 High Current
- 01 x 1841000-01-C: Backup Gateway 3
- 01 x 1549184-00-X: 02" Conduit Hub Kit

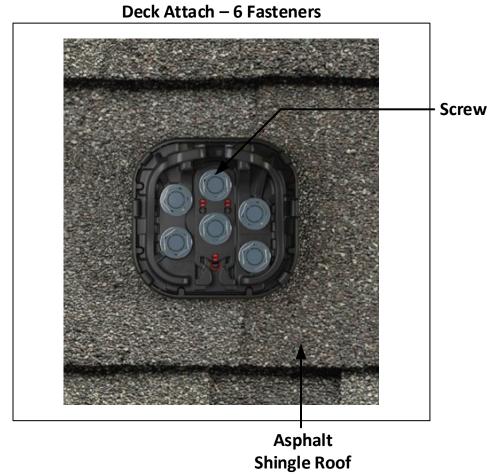
• 01 x WIRPV 2KVPV10STRBLK500: PV #10 BLK 2000V CU 500ft.

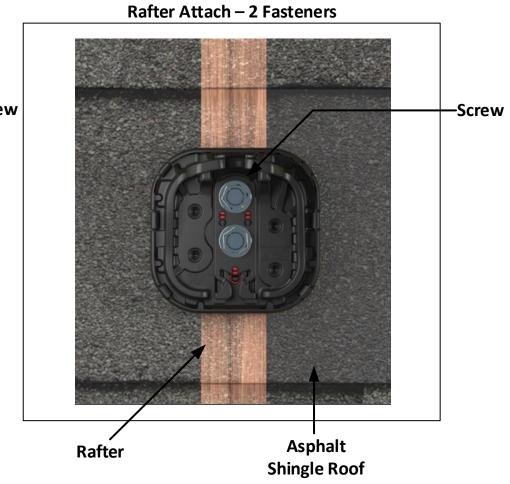
ELECTRICAL ITEMS

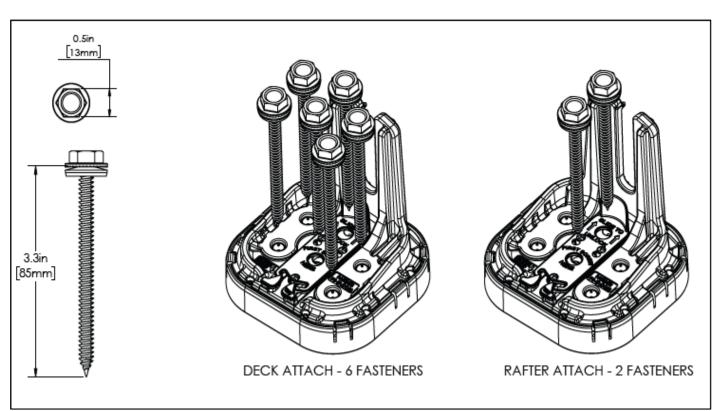
- 01 x BW2200: Gateway Main Breaker-Eaton BW2200
- 01 x BR260: Eaton BR 60/2
- 01 x DG222URB: 250volt/60amp/2pole non fusible disconnect (NEMA 3R)
- 01 x EATON M22PVK01: 22.5MM PB EMG STOP W/ CONTACTOR
- 01 x Eaton M22I1PG: SFC MTG ENC Emergency Stop Enclosure
- 01 x EZSLR JB-1.2: SolaDeck Boxes
- 25 x PSCA-0MB0: Roof Flashing Conduit Supports
- 25 x BPT 921S: 3/4" 1H EMT PIPE STRAP STEEL

6in setback from sides of the roof











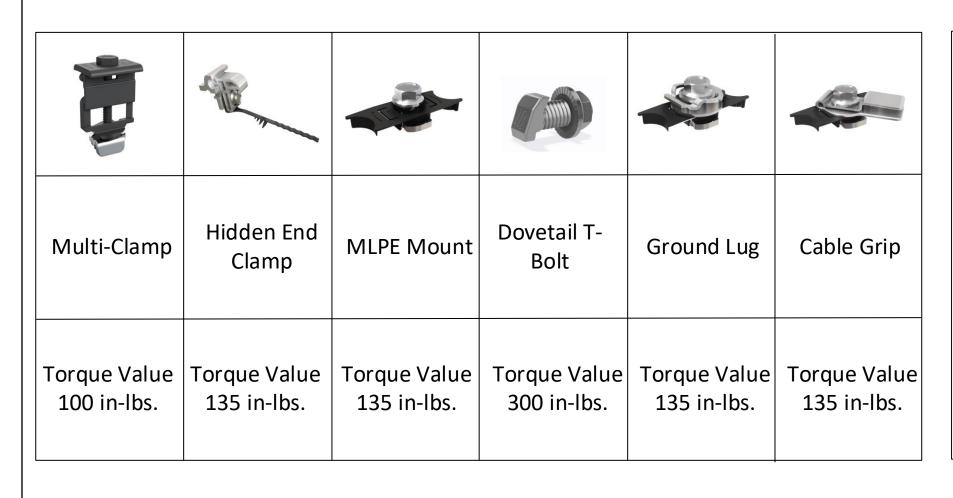
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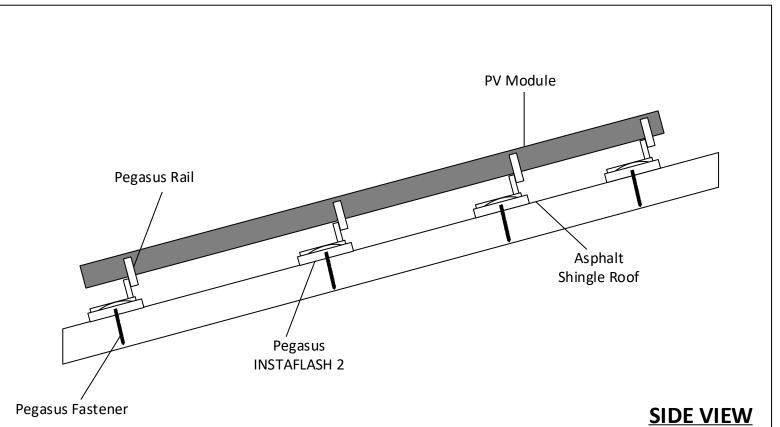
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Attachment Details

JOB NUMBER:

25-689-JB

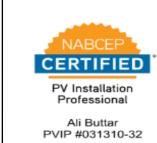
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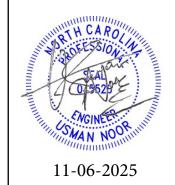
PV Dead Load				
Roof A	PV System Dead Load (Panel + Racking weight) / PV System Area (15 panels x 46.7 lbs./panel + 117 ft. of racking x 1.17 lb.ft) / (15 panels x 5.65' x 3.71') = 2.68 psf			

	PV System Dead Load (Panel + Racking weight) / PV System Area
	, , , , , , , , , , , , , , , , , , , ,
Roof B	(05 panels x 46.7 lbs./panel + 38 ft. of racking x 1.17
	lb.ft) /
	(05 panels x 5.65' x 3.71') = 2.67 psf

PV Dead Load

PV Dead Load











N-type TOPCon Technology

445 W ~ 470 W

CS6.1-54TM-445 | 450 | 455 | 460 | 465 | 470H

MORE POWER



Module power up to 470 W Module efficiency up to 23.0 %



Excellent anti-LeTID & anti-PID performance. Low power degradation, high energy yield



Lower temperature coefficient (Pmax): -0.29%/°C, increases energy yield in hot climate



Lower LCOE & system cost

MORE RELIABLE



Minimizes micro-crack impacts



Heavy snow load up to 8100 Pa, wind load up to 6000 Pa*



Industry Leading Product Warranty on Materials and Workmanship*

Assembled in the US



Linear Power Performance Warranty*

1st year power degradation no more than 1% Subsequent annual power degradation no more than 0.4%

*Subject to the terms and conditions contained in the applicable Canadian Solar Limited Warranty Statement. Also this 25-year limited product warranty is available only for products installed and operating on rooftops in certain regions.

MANAGEMENT SYSTEM CERTIFICATES*

ISO 9001:2015 / Quality management system ISO 14001:2015 / Standards for environmental management system ISO 45001: 2018 / International standards for occupational health & safety IEC62941: 2019 / Photovoltaic module manufacturing quality system

PRODUCT CERTIFICATES*

IEC 61215 / IEC 61730 IEC 61701 / IEC 62716 / IEC 60068-2-68 Take-e-way





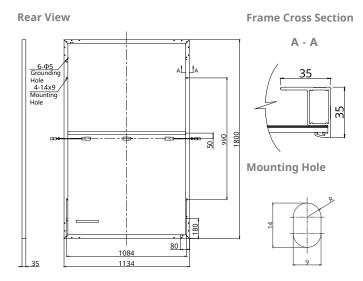


* The specific certificates applicable to different module types and markets will vary, and therefore not all of the certifications listed herein will simultaneously apply to the products you order or use. Please contact your local Canadian Solar sales representative to confirm the specific certificates available for your Product and applicable in the regions in which the products will be used.

CSI Solar Co., Ltd. is committed to providing high quality solar photovoltaic modules, solar energy and battery storage solutions to customers. The company was recognized as the No. 1 module supplier for quality and performance/price ratio in the IHS Module Customer Insight Survey. Over the past 22 years, it has successfully delivered over 100 GW of premium-quality solar modules across the world.

^{*} For detailed information, please refer to the Installation Manual.

ENGINEERING DRAWING (mm)



ELECTRICAL DATA | STC*

CS6.1-54TM	445H	450H	455H	460H	465H	470H
Nominal Max. Power (Pmax)	445 W	450 W	455 W	460 W	465 W	470 W
Opt. Operating Voltage (Vmp)	32.8 V	33.0 V	33.2 V	33.4 V	33.6 V	33.8 V
Opt. Operating Current (Imp)	13.59 A	13.66 A	13.72 A	13.78 A	13.85 A	13.91 A
Open Circuit Voltage (Voc)	38.7 V	38.9 V	39.1 V	39.3 V	39.5 V	39.7 V
Short Circuit Current (Isc)	14.48 A	14.55 A	14.61 A	14.69 A	14.77 A	14.86 A
Module Efficiency	21.8%	22.0%	22.3%	22.5%	22.8%	23.0%
Operating Temperature	-40°C ~	+85°C				
Max. System Voltage	1500V (IEC/UL)	or 1000\	√(IEC/UI	L)	
Module Fire Performance			30 1500\ S C (IEC		E 2 (UL (61730
Max. Series Fuse Rating	25 A					
Application Classification	Class A					
Power Tolerance	0 ~ + 10	W				
* Under Standard Test Conditions (STC)	of irradian	ce of 1000	W/m2 sne	ctrum AM	1.5 and ce	ll tempe-

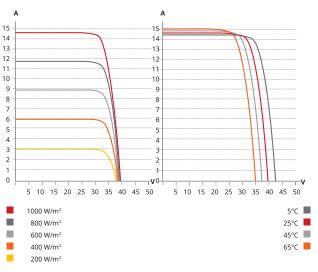
^{*} Under Standard Test Conditions (STC) of irradiance of 1000 W/m2, spectrum AM 1.5 and cell temperature of 25°C.

ELECTRICAL DATA | NMOT*

CS6.1-54TM	445H	450H	455H	460H	465H	470H
Nominal Max. Power (Pmax)	335 W	339 W	343 W	347 W	351 W	354 W
Opt. Operating Voltage (Vmp)	30.9 V	31.1 V	31.3 V	31.5 V	31.7 V	31.9 V
Opt. Operating Current (Imp)	10.85 A	10.91 A	10.96 A	11.02 A	11.07 A	11.12 A
Open Circuit Voltage (Voc)	36.5 V	36.7 V	36.9 V	37.1 V	37.3 V	37.5 V
Short Circuit Current (Isc)	11.68 A	11.74 A	11.79 A	11.85 A	11.92 A	11.99 A

^{*} Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/ m^2 spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

CS6.1-54TM-455H / I-V CURVES



MECHANICAL DATA

Specification	Data
Cell Type	TOPCon cells
Cell Arrangement	108 [2 X (9 X 6)]
Dimensions	1800 × 1134 × 35 mm
Dimensions	(70.9 × 44.6 × 1.38 in)
Weight	23 kg (50.7 lbs)
Front Cover	3.2 mm tempered glass with anti-reflective coating
Frame	Anodized aluminium alloy
J-Box	IP68, 3 bypass diodes
Cable	4 mm ² (IEC), 12 AWG (UL)
Connector	T6, MC4, MC4-EVO2 or MC4- EVO2A
Cable Length	1550 mm (61.0 in) (+) /
(Including Connector)	1100 mm (43.3 in) (-)
Per Pallet	30 pieces
Per Container (40' HQ)720 pieces

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.29 % / °C
Temperature Coefficient (Voc)	-0.25 % / °C
Temperature Coefficient (Isc)	0.05 % / °C
Nominal Module Operating Temperature	42 ± 3°C

PARTNER SECTION

^{*} The specifications and key features contained in this datasheet may deviate slightly from our actual products due to the on-going innovation and product enhancement. CSI Solar Co., Ltd. reserves the right to make necessary adjustment to the information described herein at any time without further notice. Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills and please carefully read the safety and installation instructions before using our PV modules.

Powerwall 3

Power Everything

Powerwall 3 is a fully integrated solar and battery system, designed to accelerate the transition to sustainable energy. Customers can receive whole home backup, cost savings, and energy independence by producing and consuming their own energy while participating in grid services. Once installed, customers can manage their system using the Tesla App to customize system behavior to meet their energy goals.

Powerwall 3 achieves this by supporting up to 20 kW DC of solar and providing up to 11.5 kW AC of continuous power per unit. It has the ability to start heavy loads rated up to 185 LRA, meaning a single unit can support the power needs of most homes. Powerwall 3 Expansions make it easier and more affordable to scale up customers' systems to meet their current or future needs. Powerwall 3 is designed for fast and efficient installations, modular system expansion, and simple connection to any electrical service.



Powerwall 3 Technical Specifications

System Technical Specifications

Model Number	1707000-хх-у			
Nominal Grid Voltage (Input & Output)	120/240 VAC			
Grid Type	Split phase			
Frequency	60 Hz			
Nominal Battery Energy	13.5 kWh AC	;1		
Nominal Output Power (AC)	5.8 kW	7.6 kW	10 kW	11.5 kW
Maximum Apparent Power	5,800 VA	7,600 VA	10,000 VA	11,500 VA
Maximum Continuous Current	24 A	31.7 A	41.7 A	48 A
Overcurrent Protection Device ²	30 A	40 A	60 A	60 A
Configurable Maximum Continuous Discharge Power Off-Grid (PV Only, -20°C to 25°C)	15.4 kW ³			
Maximum Continuous Charge Current / Power (Powerwall 3 only)	20.8 A AC / 5 kW			
Maximum Continuous Charge Current / Power (Powerwall 3 with up to (3) Expansion units)	33.3 A AC / 8 kW			
Output Power Factor Rating	0 - 1 (Grid Code configurable)			
Maximum Output Fault Current (1 s)	160 A			
Maximum Short-Circuit Current Rating	10 kA			
Load Start Capability	185 LRA			
Solar to Battery to Home/Grid Efficiency	89% 1,4			
Solar to Home/Grid Efficiency	97.5% ⁵			
Power Scalability	Up to 4 Powe	erwall 3 units su	ıpported	
Energy Scalability	Up to 3 Expa	nsion units (for	a maximum to	tal of 7 units)
Supported Islanding Devices	Gateway 3, B	Backup Switch,	Backup Gatew	ay 2
Connectivity	Wi-Fi (2.4 and 5 GHz), Ethernet, Cellular (LTE/4G ⁶)			
Hardware Interface	Dry contact relay, Rapid Shutdown (RSD) certified switch and 2-pin connector, RS-485 for meters			
AC Metering	Revenue Grade (+/- 0.5%, ANSI C12.20)			
Protections	Integrated arc fault circuit interrupter (AFCI), Isolation Monitor Interrupter (IMI), PV Rapid Shutdown (RSD) using Tesla Mid-Circuit Interrupters			
Customer Interface	Tesla Mobile App			
	lesla Mobile	Арр		

¹Values provided for 25°C (77°F), at beginning of life. 3.3 kW charge/discharge power.

² See Powerwall 3 Installation Manual for fuse requirements if using fuse for overcurrent protection.

³15.4kW off-grid maximum continuous discharge power is only available if on-grid rating is 11.5 kW. If enabled, Powerwall 3 must be installed with an 80 A breaker and appropriately sized conductors.

⁴ Typical solar shifting use case.

 $^{^{\}rm 5}$ Tested using CEC weighted efficiency methodology.

⁶The customer is expected to provide internet connectivity for Powerwall 3; cellular should not be used as the primary mode of connectivity. Cellular connectivity subject to network operator service coverage and signal strength.

Powerwall 3 Technical Specifications

Solar Technical Specifications

Maximum Solar STC Input	20 kW
Withstand Voltage	600 V DC
PV DC Input Voltage Range	60 — 550 V DC
PV DC MPPT Voltage Range	60 — 480 V DC
MPPTs	6
Maximum Current per MPPT (I _{mp})	15 A ^{7,8}
Maximum Short Circuit Current per MPPT (I_{sc})	19 A ⁸

 $^{^{7}}$ Only applicable to Powerwall 3 units with 15 A I_{MP} on the product label. Otherwise, Powerwall 3 has an I_{MP} of 13 A.

EnvironmentalSpecifications

Operating Temperature	-20°C to 50°C (-4°F to 122°F) 9
Operating Humidity (RH)	Up to 100%, condensing
Storage Temperature	-20°C to 30°C (-4°F to 86°F), up to 95% RH, non- condensing, State of Energy (SOE): 25% initial
Maximum Elevation	3000 m (9843 ft)
Environment	Indoor and outdoor rated
Enclosure Rating	NEMA 3R
Ingress Rating	IP67 (Battery & Power Electronics) IP55 (Wiring Compartment)
Pollution Rating	PD3
Operating Noise @ 1 m	< 50 db(A) typical < 62 db(A) maximum

⁹ Performance may be de-rated at operating temperatures above 40°C (104°F).

Compliance Information

Certifications	UL 1741, UL 9540, UL 9540A, UL 3741, UL 1741 PCS, UL 1741 SA, UL 1741 SB, UL 1973, UL 1699B, UL 1998, CSA C22.2 No. 0.8, CSA C22.2 No. 107.1, CSA C22.2 No. 330, CSA 22.3 No. 9, IEEE 1547, IEEE 1547A, IEEE 1547.1, CA Rule No.21
Grid Connection	United States and Canada
Emissions	FCC Part 15 Class B, ICES 003
Environmental	RoHS Directive 2011/65/EU
Seismic	AC156, IEEE 693-2005 (high)
Fire Testing	Meets the unit level performance criteria of UL 9540A

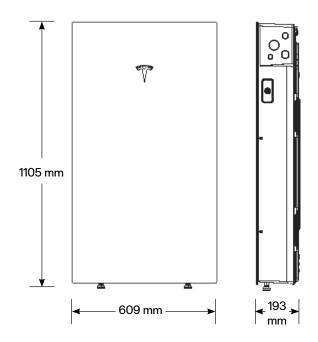
 $^{^8}$ When PV strings are combined on the roof and the DC input current exceeds the MPPT rating, a jumper can be used to combine two MPPTs into a single input to intake DC current up to 30 A $I_{\rm MP}$ / 38 A $I_{\rm SC}$ (or 26 A $I_{\rm MP}$ / 30 A $I_{\rm SC}$ if Powerwall 3 is labeled with 13 A $I_{\rm MP}$ / 15 A $I_{\rm SC}$).

Powerwall 3 Technical Specifications

Mechanical Specifications

Dimensions	1105 x 609 x 193 mm (43.5 x 24 x 7.6 in) 10
Total Weight of Installed Unit	132 kg (291.2 lb)
Weight of Powerwall 3	124 kg (272.5 lb)
Weight of Glass Front Cover	6.5 kg (14.5 lb)
Weight of Wall Bracket	1.9 kg (4.2 lb)
Mounting Options	Floor or wall mount

 $^{^{10}}$ These dimensions include the glass front cover being installed on Powerwall 3.



Powerwall 3 Expansion Technical Specifications

Battery Technical Specifications

Model Number	1807000-xx-y
Nominal Battery Energy	13.5 kWh
Voltage Range	52 - 92 V DC ¹¹

¹¹ Powerwall 3 Expansion units are connected in parallel and are not field serviceable.

Environmental Specifications

Operating Temperature	-20°C to 50°C (-4°F to 122°F) 12
Operating Humidity (RH)	Up to 100%, condensing
Storage Temperature	-20°C to 30°C (-4°F to 86°F), up to 95% RH, non- condensing, State of Energy (SOE): 25% initial
Maximum Elevation	3000 m (9843 ft)
Environment	Indoor and outdoor rated
Enclosure Rating	NEMA 3R
Ingress Rating	IP67
Pollution Rating	PD3

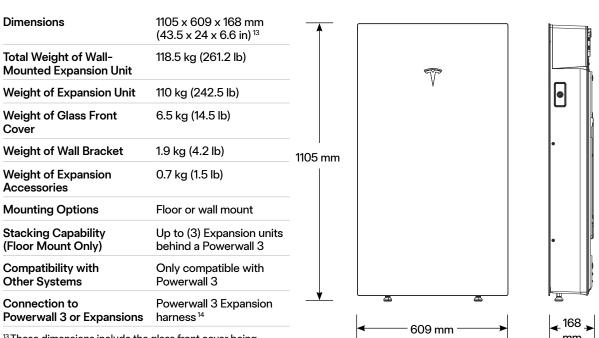
¹² Performance may be de-rated at operating temperatures above 40°C (104°F).

Compliance Information

Certifications

UL 1973, UL 9540

Mechanical Specifications



¹³ These dimensions include the glass front cover being installed on Powerwall 3 Expansion.

¹⁴ The Powerwall 3 Expansion harness is a listed component of the UL 9540 certification.

Solar Shutdown Device Technical Specifications

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The Solar Shutdown Device is a Mid-Circuit Interrupter (MCI) and is integral to the rapid shutdown (RSD) function required for rooftop PV systems in accordance with Article 690 of the NEC. When paired with Powerwall 3, solar array shutdown is initiated by an External System Shutdown Switch or the On/Off Enable switch located on Powerwall 3. Systems not subject to rapid shutdown requirements must still install one or more MCIs for functional purposes; see the Powerwall 3 installation manual for details.

ΕI	ectrical
S	pecifications

Model	MCI-1	MCI-2	MCI-2 High Current
Nominal Input DC Current Rating (I _{MP})	13 A	13 A	15 A
Maximum Input Short Circuit Current (I _{SC})	19 A	17 A	19 A
Maximum System Voltage	600 V DC	1000 V DC ¹⁵	1000 V DC 15
Maximum Disconnect Voltage 16	600 V DC	165 V DC	165 V DC

¹⁵ Maximum System Voltage is limited by Powerwall to 600 V DC.

RSD Module Performance

Maximum Number of Devices per String	5	
Control	Power Line Excitation	
Passive State	Normally Open	
Maximum Power Consumption	7 W	
Warranty	25 years	

Environmental Specifications

Enclosure Rating	NEMA 4X / IP65	
	(–22°F to 158°F)	(-22°F to 158°F)
Storage Temperature	–30°C to 70°C	-30°C to 70°C
Operating Temperature	-40°C to 50°C (-40°F to 122°F)	-45°C to 70°C (-49°F to 158°F)

Mechanical Specifications

Electrical Connections	MC4 Connector		
Housing	Plastic		
Dimensions	125 x 150 x 22 mm	173 x 45 x 22 mm	
	(5 x 6 x 1 in)	(6.8 x 1.8 x 1 in)	
/eight	350 g (0.77 lb)	120 g (0.26 lb)	
Mounting Options	ZEP Home Run Clip	Wire Clip	
	M4 Screw (#10)	·	
	M8 Bolt (5/16")		
	Nail / Wood screw		

Compliance Information

Certifications	UL 1741 PVRSE, UL 3741, PVRSA (Photovoltaic Rapid Shutdown Array)
RSD Initiation Method	External System Shutdown Switch or Powerwall 3 Enable Switch

UL 3741 PV Hazard Control (and PVRSA) Compatibility

See <u>UL 3741 Application Addendum</u>

¹⁶ Maximum Disconnect Voltage is the maximum voltage allowed across each MCI in the open position (Rapid Shutdown Initiated). An individual MCI-2 has a voltage rating of 165V but in combination (connected in the same string) their voltage ratings are additive.

Gateway 3

Tesla Gateway 3 controls connection to the grid in a Powerwall system, automatically detecting outages and providing seamless transition to backup power. It provides energy monitoring that is used by Powerwall for solar self-consumption, time-based control, and backup operation.

Performance Specifications

Model Number	1841000-x1-y
Nominal Grid Voltage	120/240 V AC
Grid Configuration	Split phase
Grid Frequency	60 Hz
Continuous Current Rating	200 A
Maximum Supply Short Circuit Current	22 kA with Square D or Eaton main breaker 25 kA with Eaton main breaker ¹⁷
IEC Protective Class	Class I
Overvoltage Category	Category IV
¹⁷ Only Eaton CSR or BWH m	nain breakers are 25 kA rated.

AC Meter	+/- 0.5%
Communication	CAN
User Interface	Tesla App
Backup Transition	Automatic disconnect for seamless backup
Overcurrent Protection Device	100–200 A Service entrance rated Eaton CSR, BWH, or BW, or Square D QOM breakers
Internal Panelboard	200 A 8-space/16 circuit breakers Eaton BR, Siemens QP, or Square D HOM breakers rated to 10–125A
Warranty	10 years

Environmental Specifications

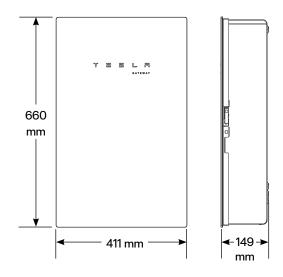
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Operating Humidity (RH)	Up to 100%, condensing
Maximum Elevation	3000 m (9843 ft)
Environment	Indoor and outdoor rated
Enclosure Type	NEMA 3R

Compliance Information

Certifications	UL 67, UL 869A, UL 916, UL 1741 PCS, CSA 22.2 107.1, CSA 22.2 29	
Emissions	FCC Part 15, Class B, ICES 003	

Mechanical Specifications

Dimensions	660 x 411 x 149 mm (26 x 16 x 6 in)
Weight	16.3 kg (36 lb)
Mounting options	Wall mount



Backup Switch

The Tesla Backup Switch controls connection to the grid in a Powerwall system, and can be easily installed behind the utility meter or in a standalone meter panel downstream of the utility meter.

The Backup Switch automatically detects grid outages, providing a seamless transition to backup power. It communicates directly with Powerwall, allowing home energy usage monitoring from any mobile device with the Tesla app.

Performance Specifications

1624171-xx-y
200 A, 120/240 V split phase
22 kA with breaker 18
CAN
+/- 0.5%
21 years
10 years

¹⁸ Breaker maximum supply short circuit current rating must be equal to or greater than the available fault current.

Environmental Specifications

Operating Temperature	-40°C to 50°C (-40°F to 122°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Enclosure Rating	NEMA 3R
Pollution Rating	PD3

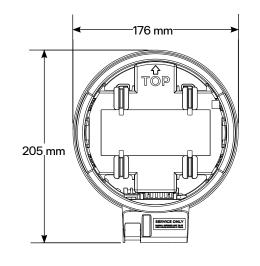
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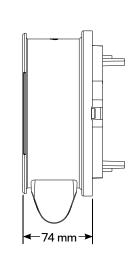
Safety Standards	USA: UL 414, UL 414 SB, UL 2735, UL 916, CA Prop 65
Emissions	FCC Part 15, Class B, ICES 003

Mechanical Specifications

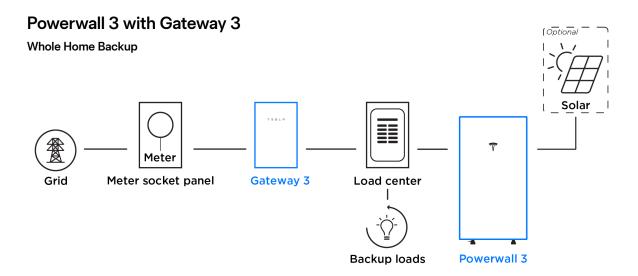
$176 \times 205 \times 74 \text{ mm} (6.9 \times 8.1 \times 2.9 \text{ in})$	
2.8 lb	
ANSI Type 2S, ringless or ring type	
Contactor manual override ¹⁹ Reset button	
1/2-inch NPT	

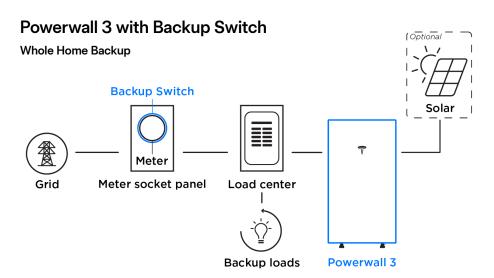
¹⁹ Manually overrides the contactor position during a service event.

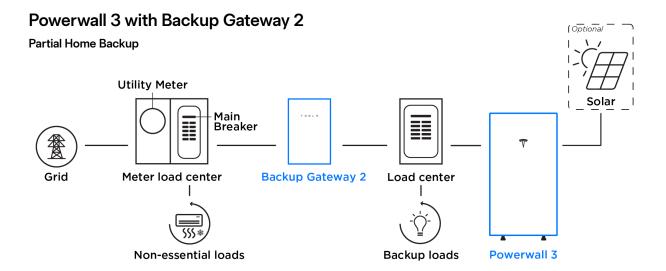




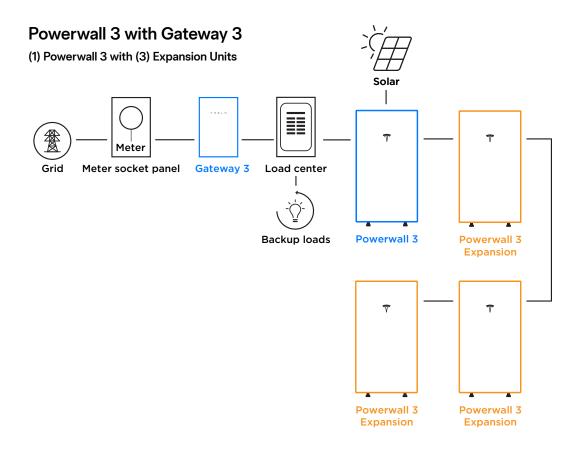
Powerwall 3 Example System Configurations



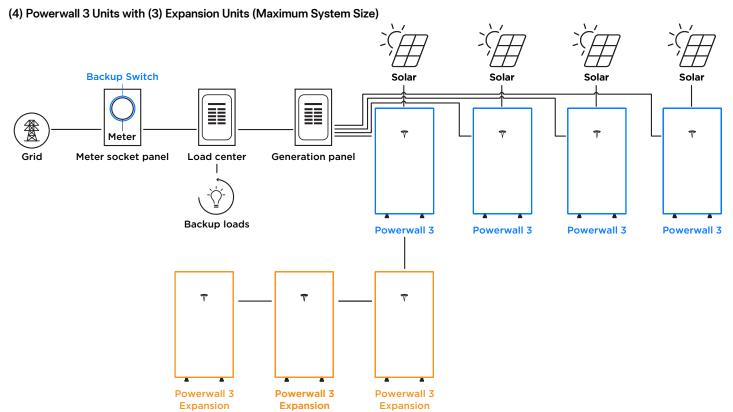




Powerwall 3 Example System Configurations

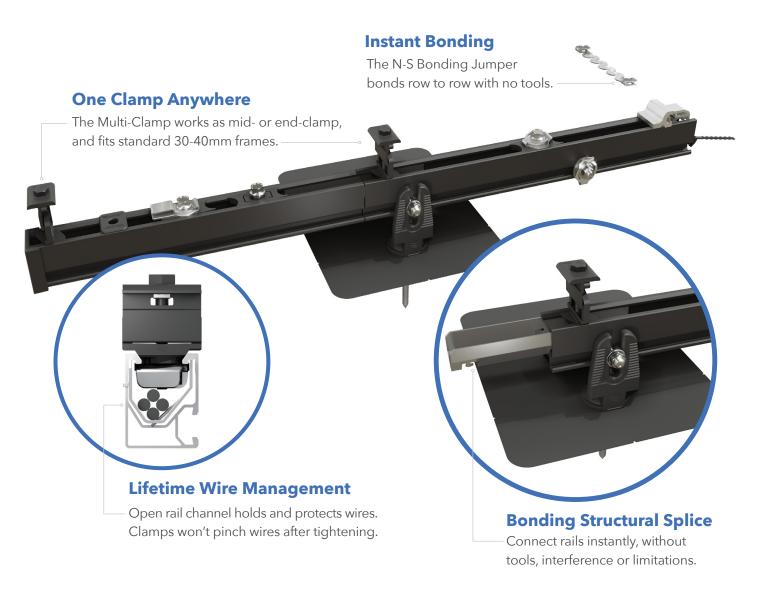


Powerwall 3 with Backup Switch





RAIL SYSTEM



Next-Level Solar Mounting

A complete system for hassle-free rooftop installation, from watertight mounts to lifetime wire management.



Simplicity

1/2"socket for everything. One clamp for mid or end. No tool splicing and bonding. Easy wire management.



Code Compliant

UL 2703 listed LTR-AE-001-2012 listed Class A fire rating for any slope ASCE 7-16 PE Certified



Premium Aesthetics

The narrowest panel gap available. Optional Hidden End Clamps and End Caps provide a flush look on the edge of the array.



Watertight for Life

Secured on industry-leading Pegasus Mounts, for composite shingle and tile roofs. Backed by a 25-year warranty.



RAIL SYSTEM









Dovetail T-bolt

Pegasus Rail

Available in 14' and 7' lengths for easy layout and shipping.

Open-channel design holds MC4 connectors, PV wire and trunk cables.

Black and Mill finish



Pegasus Max Rail

Maximum-strength design. Meets specifications for high snow-load and hurricane zones. Black and Mill finish



Splice and Max Splice

Installs by hand. Works over mounts.

Structurally connects and bonds rails automatically; UL2703 listed as reusable.

Dovetail shape for extra strength. Uses 1/2" socket.





Multi-Clamp

Fits 30-40mm PV frames, as mid- or end-clamp.

Twist-locks into position; doesn't pinch wires in rail.



Hidden End Clamp

Offers premium edge appearance. Preinstalled pull-tab grips rail edge, allowing easy, one-hand installation. Tucks away for reuse.



Ground Lug

Holds 6 or 8 AWG wire. Mounts on top or side of rail. Assembled on MLPE Mount. UL2703 listed as reusable.

N-S Bonding Jumper

Installs by hand, eliminates row-to-row copper wire.

UL2703 listed as reusable only with Pegasus Rail.









MLPE Mount

Secures and bonds most micro-inverters and optimizers to rail.

Connectors and wires easily route underneath after installation.

UL2703 listed as reusable.

Cable Grip

Secures four PV wires or two trunk cables. Stainless-steel backing provides durable grip.

Eliminates sagging wires.

Wire Clip

Hand operable. Holds wires in channel. Won't slip.

End Cap and Max End Cap

Fits flush to PV module and hides raw or angled cuts.

Hidden drain quickly clears water from rail.

Certifications:

- UL 2703, Edition 1
- LTR-AE-001-2012
- ASCE 7-16 PE certified
- Class A fire rating for any slope roof



Quickly calculate the most efficient layout, spans and materials needed to suit your job. Visit the Pegasus Customer Portal. pegasussolar.com/portal

Patents pending. All rights reserved. ©2021 Pegasus Solar Inc.

LOAD		SPAN			
SNOW (PSF)	WIND (MPH)	32"	4′	6′	8′
	120				
0	160				
	190				
	140				
15	160				
	190				
30	160				
30	190				
45	190				
70	190				
110	190			PEGASUS RAIL	PEGASUS MAX RAIL

For reference only. Spans above are calculated using ASCE 7-16 for a Gable Roof, Exposure Category B, 7-20deg roof angle, 30ft mean roof height with non-exposed modules. For PE certified span tables, visit www.pegasussolar.com/spans.



INSTAFLASH 2



The Ultimate Comp Roof Attachment

Simple to use. Works for rafter or deck attach. No caulking, no ripped shingles, no mess. Pre-installed sealant acts as a chemical flashing and fills all gaps, voids, and butt joints for an instant, watertight seal.



25-Year Warranty

Manufactured with advanced materials and coatings to outlast the roof itself



Code Compliant

Fully IBC/CBC code compliant Exceeds ASCE 7-22 standards UL2703 certified



Self-Healing

Proprietary non-hardening sealant will flex and reseal over years of thermal expansion and contraction

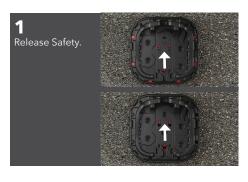


Larger Spans

Extra-large L-foot and proprietary screws result in larger spans between mounts



INSTAFLASH® 2



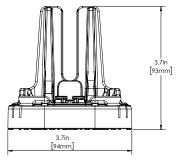
Install screw
through center
hole, and drive
into roof until
InstaFlash2 pushes
through cage and
seats onto the
roof.

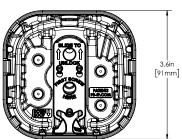
3
If screw hits rafter, drive second screw in hole above.
Ensure screws are embedded at least 2.5" into rafter. Installation complete.

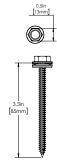


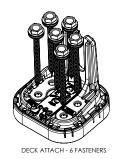


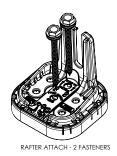












SPECIFICATIONS	INSTAFLASH KITS			
	PIF2-B0	PIF2-BDT	PIF2-M0	PIF2-MDT
Finish	Black		Mill	
Kit Contents	Black InstaFlash2	Black InstaFlash2, Dovetail T-bolt	Mill InstaFlash2	Mill InstaFlash2, Dovetail T-bolt
Attachment Type	Rafter & Deck Attach			
Roof Fasteners	1/2" Socket Driven; PF-DRW85 (sold separately in boxes of 24)			
Roof Type	Sloped Roof: Composition Shingle, Rolled Asphalt Flat Roof: Modified Bitumen Roof, Built-Up Roof			
Flashing Type	Factory Installed Non-Drying, Non-Skinning Butyl Based Chemical Flashing			
Installation Temperature	0° F to 170° F			
Cure Time	Instantly Waterproof; Non-Hardening			
Service Temperature	-40° F to 195° F			
Certifications	IBC, ASCE/SEI 7-16 & 7-22, UL2703			
Install Application	Most Railed Systems			
Kit Quantity	24			
Boxes Per Pallet	36			





SCAN FOR INSTALLATION VIDEO



SCAN FOR FREE TRIAL

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UL50 Type 3R Enclosure • Stamped 18 gauge gal. steel • Powder coated finish • Weather tight

Enclosure Includes:

- Dual ground lug
- · Universal DIN rail
- 1/2". 3/4" & 1" knockouts
- · Wire strain relief clip
- Complete hardware package



INTRODUCED AT SOLAR POWER 2007





PV Roof-Mount Combiner/Enclosure

Benefits

- •The ability to prep the building is now possible
- Replaces several parts used today
- Provides professional looking install
- · Saves time on install
- Allows for easy access
- Guaranteed seal to roof
- Low profile design

For product information contact us at [866] 367-7782

www.commdeck.com



RSTC Enterprises, Inc 2219 Heimstead Road Eau Claire, WI 54703 1 (866) 367 - 7782





SolaDeck Part # 780

Specifications:

18 Gauge Steel Base (1) and Cover (2)
Pre Punched 7 holes in base (1) for roof deck
Pre Punched 4 holes in base (1) and cover (2) for match
Draw Process both parts
Powder Coated to withstand 1000 hours Salt Spray (Primer Gray)
High UV resistance
15" x 15" flashing dimension
Cavity dimension 8"W x 9" L x 2.5"D
Approx. 162 Cubic inch equipment cavity
Norloked steel base plate (3) to drawn base (2)
Three knockout locations .5", .75" and 1"
3" DIN rail installed
Grounding Lug- Installed (In Equipment Cavity)
Wire Strain Relief Clip –Installed (In Equipment Cavity)
Hardware pack withstands 500 hours Salt Spray

- 7 2" Trusshead Screws
- 4 .5" 8-32 thread cutting screws
- 4 #10 Bonded Seal washers
- 1 Foam closed Cell Seal

ETL Listed UL50 Type 3R

Total Weight 6.9 pounds each

Packaging:

Individually bagged and boxed
Box dimension 15.5"w x 16" L x 3" D
White Carton labeled with Cut out template
Print One Color - Black

Master Cartons of 6 Units each
Master Carton dimension 18.75"x16"x16.375"
Master Carton Weight – 42 pounds
18 Master Cartons per skid Approx 800 pounds with skid

Eaton DG222URB

Catalog Number: DG222URB

Eaton General duty non-fusible safety switch, single-throw, 60 A, NEMA 3R, Rainproof, Painted galvanized steel, Two-pole, Two-wire, 240 V $\,$

Photo is representative



General specifications

Product Name Catalog Number

Eaton general duty non-fusible safety DG222URB

switch

UPC

782113144238

Product Length/Depth Product Height

7.38 in 14.38 in

Product Width Product Weight

8.69 in 9 lb

Warranty Compliances

Eaton Selling Policy 25-000, one (1) year NEC 230.62 (C) Compliant Barrier

from the date of installation of the

Product or eighteen (18) months from the UL Listed

date of shipment of the Product,

whichever occurs first. Catalog Notes

WARNING! Switch is not approved for service entrance unless a neutral kit is

installed.

default Taxonomy Attribute Label

Type

Non-fusible, single-throw

Amperage Rating

60A

Number Of Poles

Two-pole

Product Category

General duty safety switch

Voltage rating

240V

Enclosure

NEMA 3R

Enclosure material

Painted galvanized steel

Fuse configuration

Non-fusible

Number of wires

2

Resources

Catalogs

Eaton's Volume 2—Commercial Distribution

Multimedia

Double Up on Safety

Switching Devices Flex Center

Specifications and datasheets

Eaton Specification Sheet - DG222URB

Warranty guides

Selling Policy 25-000 - Distribution and Control Products and Services



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