

Tesla Inc.
3500 Deer Creek Road,
Palo Alto, CA 94304
USA

6th March 2026

Report Number: US23U76C.006
Project Number: 234223591
Product(s) tested: Powerwall 3 with Backup Gateway 2, Backup Switch & Backup Gateway 3
Model(s): Powerwall 3 - 1707000-XX-Y
Backup Gateway 2 - 1232100-XX-Y
Backup Switch - 1624171-XX-Y
Backup Gateway 3 – 1841000-XX-Y
Powerwall 3 Expansion – 1807000-XX-Y (up to 3 units per Powerwall 3)
Tesla Remote Meter (Energy site meter) - 2002069-XX-Y
(X = 0-9 or A-Z; Y = 0-9 or A-Z)

Dear Mr. Viraj Andrabadu/Mehran Zamani/Gaurav Joglekar,

Based on the evaluations undertaken, the model(s) of the below product have been found to comply with the requirements of the referenced specifications at the time the tests were carried out.

Nationally Recognized Testing Laboratory (NRTL)	TUV Rheinland of North America, Inc.
NRTL Issuing Office Address	1279 Quarry Lane, Suite A, Pleasanton, CA 94566
Applicant Name	Tesla, Inc.
Applicant Address	3500 Deer Creek Road, Palo Alto, CA 94304, USA
Model Numbers	Powerwall 3 - 1707000-XX-Y Backup Gateway 2 - 1232100-XX-Y Backup Switch - 1624171-XX-Y Backup Gateway 3 – 1841000-XX-Y Powerwall 3 Expansion – 1807000-XX-Y Tesla Remote Meter (Energy site meter) - 2002069-XX-Y (X = 0-9 or A-Z; Y = 0-9 or A-Z)
Software/Firmware Version	UL1741/phase import only: 8586a41c49cfc9fe573b26f4a364b3a3a4cfc85b UL1741/phase export only: cd3614dbf44274e567e68aa4efa62da125c08e79 UL3141: d915b2c994026e698f79e9a05593a67caba811f9
Standard(s) Tested	UL 1741: Standard for Inverters, Converters, Controllers and Interconnection System Equipment for Use with

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	Distributed Energy Resources, April 20, 2010. Edition 2 [(Supplement SA)+R:15Feb2018], Power Control Systems (PCS), Certification Requirement Decision 3/8/2019. PCS limits defined by NFPA 2020 edition section 705.13 UL 3141: Outline of Investigation for Power Control Systems, Issue Number:2, October 9, 2024
Testing period:	03/02/2023 – 03/24/2023 & 08/24/23 – 10/30/23
Reference reports:	<u>Powerwall 3 with Backup Gateway 2:</u> US23MMDW.001 to US23MMDW.005 and ETL report no. 104514208CRT-001. <u>Powerwall 3 with Backup Switch:</u> US236F6P.001 to US236F6P.006 and ETL Report no. 104338849CRT-001. <u>Powerwall 3 with Backup Gateway 3 + TRM:</u> US23AXXU.001 to US23AXXU.005 and ETL Report no. 105217933CRT-001. <u>Powerwall 3 with Backup Switch and Backup Gateway 2:</u> US236F6P.001 to US236F6P.005, US23MMDW.001 to US23MMDW.005 and ETL report no. 104514208CRT-001. <u>Powerwall 3 Expansion</u> 105428445CRT-001.

PW3 configuration	
Model	1707000-XX-Y (X = 0-9 or A-Z; Y = 0-9 or A-Z)
Nominal Voltage	120/240 VAC Split phase
Rated Output Current	48A
Nominal Frequency (Hz)	60
Max Continuous Power	11.5 kW
Power Factor Range	0-1
DC Input	
Voltage Range	60-550 VDC
Maximum Current per MPPT	13A (6 strings)
Max Input power	16.5 kW

PCS ratings with Backup Gateway 2

Maximum PCS controlled current	200 A
Maximum Open loop response time	1.45 seconds
Steady state % power	1% of power stability is achieved in less than 10 seconds
Average Open loop response time	0.273 seconds
Tested for Type of mode	Import Limit and Import only
Note: - PCS function implemented in TACO Board of Powerwall 3 and Current transformers detection and location in Backup Gateway 2 - PW3 with or without Expansion units has Charging capability Import Limit up to 5kW	

Maximum PCS controlled current	200 A
Maximum Open loop response time	0.6 seconds
Steady state % power	1% of power stability is achieved in less than 10 seconds
Average Open loop response time	0.162 seconds
Tested for Type of mode	Export Limit and Export only
	Compliant to Clause 8.8.5 PCS Net Energy Metering (NEM) Integrity Mode of UL 3141
Note: PCS function implemented in TACO Board of Powerwall 3 and Current transformers detection and location in Backup Gateway 2	

PCS ratings with Backup Switch

Maximum PCS controlled current	200 A
Maximum Open loop response time	1.75 seconds
Steady state % power	1% of power stability is achieved in less than 10 seconds
Average Open loop response time	0.35 seconds
Tested for Type of mode	Import Limit and Import only
Note: - PCS function implemented in TACO Board of Powerwall 3 and Current transformers detection and location in Backup Switch - PW3 with or without Expansion units has Charging capability Import Limit up to 5kW	

Maximum PCS controlled current	200 A
Maximum Open loop response time	0.85 seconds
Steady state % power	1% of power stability is achieved in less than 10 seconds
Average Open loop response time	0.275 seconds
Tested for Type of mode	Export Limit and Export only
	Compliant to Clause 8.8.5 PCS Net Energy Metering (NEM) Integrity Mode of UL 3141

Note: PCS function implemented in TACO Board of Powerwall 3 and Current transformers detection and location in Backup Switch

PCS ratings with Backup Gateway 3 + TRM

Maximum PCS controlled current	200 A
Maximum Open loop response time	1.75 seconds
Steady state % power	1% of power stability is achieved in less than 10 seconds
Average Open loop response time	0.35 seconds
Tested for Type of mode	Import Limit and Import only
Note: - PCS function implemented in TACO Board of Powerwall 3 and Current transformers detection and location in Backup Gateway 3 - PW3 with or without Expansion units has Charging capability Import Limit up to 5kW	

Maximum PCS controlled current	200 A
Maximum Open loop response time	0.85 seconds
Steady state % power	1% of power stability is achieved in less than 10 seconds
Average Open loop response time	0.275 seconds
Tested for Type of mode	Export Limit and Export only
	Compliant to Clause 8.8.5 PCS Net Energy Metering (NEM) Integrity Mode of UL 3141
Note: PCS function implemented in TACO Board of Powerwall 3 and Current transformers detection and location in Backup Gateway 3	

PCS ratings with Backup Switch + Backup Gateway 2

Maximum PCS controlled current	200 A
Maximum Open loop response time	1.75 seconds
Steady state % power	1% of power stability is achieved in less than 10 seconds
Average Open loop response time	0.35 seconds
Tested for Type of mode	Import Limit and Import only
Note: - PCS function implemented in TACO Board of Powerwall 3 and Current transformers detection and location in Backup switch - PW3 with or without Expansion units has Charging capability Import Limit up to 5kW	

Maximum PCS controlled current	200 A
Maximum Open loop response time	0.85 seconds
Steady state % power	1% of power stability is achieved in less than 10 seconds
Average Open loop response time	0.275 seconds
Tested for Type of mode	Export Limit and Export only
	Compliant to Clause 8.8.5 PCS Net Energy Metering (NEM) Integrity Mode of UL 3141
Note: PCS function implemented in TACO Board of Powerwall 3 and Current transformers detection and location in Backup Switch	

Test List table

UL 3141 Clause	UL 1741 CRD Clause	Test
8.3	203.5	Step change in load test
8.4	203.6	Step Change in Generation Test
8.6.2	204.1.1	Export limiting from all sources
8.6.3	204.1.1	Import limiting from all sources
8.6.2	204.1.1	Export limiting Step change in generation
8.6.3	204.1.1	Import limiting Step change in generation
8.8.3	204.4	Export limiting from Energy Storage Systems (Step Load)
8.8.4	204.5	Import limiting to Energy Storage Systems
8.8.3	204.4	Export limiting from Energy Storage Systems (Step Generation)
8.8.4	204.5	Import limiting from other inputs (generation)
8.7	205.5 & 205.6	Startup / Self Check Abnormal Tests & Abnormal Maximum Self-Check Interval Test
8.7	205.7	Operating Abnormal Tests
8.8.5	-	PCS Net Energy Metering (NEM) Integrity Mode

Backup Gateway 2 Specifications**Backup Gateway 2 Specifications****Performance Specifications**

AC Voltage (Nominal)	120/240 V
Feed-In Type	Split Phase
Grid Frequency	60 Hz
Current Rating	200 A
Maximum Input Short Circuit Current	10 kA ¹
Overcurrent Protection Device	100-200A; Service Entrance Rated ¹
Overvoltage Category	Category IV
AC Meter	Revenue accurate (+/- 0.2 %)

¹When protected by Class J fuses, Backup Gateway 2 is suitable for use in circuits capable of delivering not more than 22 kA symmetrical amperes.

Mechanical Specifications

Dimensions	26 x 16 x 6 inches (660 x 411 x 149 mm)
Weight	45 lb (20.4 kg)
Mounting	Wall mount, Semi-flush mount

Environmental Specifications

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

Backup Switch Specifications

Backup Switch Specifications

Performance Specifications

Continuous Load Rating	200A, 120/240V Split phase
Short Circuit Current Rating	22 kA with breaker ¹
Communication	CAN

¹The breaker size must be equal to or greater than the available fault current and can be installed either upstream or downstream of the Backup Switch. This Backup Switch is rated for use on a circuit delivering not more than 10,000 RMS symmetrical amperes, 300 V maximum. When used in conjunction with a circuit breaker rated not more than 200 A, the Backup Switch is rated for use on a circuit capable of delivering not more than 22,000 RMS symmetrical amperes, 300V maximum, **not in excess of circuit breaker interrupting rating**. Watthour meter not included in short circuit current rating.

Compliance Information

Safety Standards	USA: UL 414, UL 2735, UL 916, CA Prop 65
Emissions	FCC, ICES

Mechanical Specifications

Dimensions	6.9 x 8.1 x 2.9 inches (176 x 205 x 74 mm)
Weight	2.8 lb (1.27 kg)
Meter and Socket Compatibility	ANSI Type 2S, ringless or ring type
External Service Interface	Contact manual override ² , Reset button
Conduit Compatibility	½-inch NPT

²Manually overrides the contactor position during a service event.

Environmental Specifications

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

Backup Gateway 3 Specifications

BACKUP GATEWAY 3 SPECIFICATIONS

Performance Specifications

Model Number	1841000-xx-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 and allowable branch breakers 25 kA with Eaton main breaker and allowable branch breakers ¹
IEC Protective Class	Class I
Overvoltage Category	Category IV
AC Meter	Revenue accurate (+/- 0.5 %)
Overcurrent Protection Device	100-200A; Service Entrance Rated ² ; 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

¹See [Acceptable Circuit Breakers on page 21](#) for all allowable main and branch breaker combinations.

² Not to be used as service entrance equipment in Canada.

Mechanical Specifications

Dimensions	26 x 16 x 6 inches (660 x 411 x 149 mm)
Weight	36 lb (16.4 kg)
Mounting	Wall mount

Environmental Specifications

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

Powerwall 3 Expansion Specifications

Powerwall 3 Expansion Specifications

Battery Technical Specifications

Nominal Battery Energy	13.5 kWh
Voltage Range	52 – 92 V DC ¹

¹Expansion units are connected in parallel and are not field serviceable.

Compliance Information

Certifications	UL 1973, UL 9540
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Environmental Specifications

Operating Temperature	–20°C to 50°C (–4°F to 122°F) ²
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

²Performance may be de-rated at operating temperatures above 40°C (104°F).

Mechanical Specifications

Dimensions	43.5 x 24 x 6.6 in (1105 x 609 x 168 mm) ³
Total Weight of Wall-Mounted Unit (includes cover and bracket)	261.2 lb (118.5 kg)
Weight of Powerwall 3 Expansion (no cover or bracket)	242.5 lb (110 kg)
Weight of Glass Front Cover	14.5 lb (6.5 kg)
Weight of Wall Bracket	4.2 lb (1.9 kg)
Weight of Expansion Harness	2 lb (0.9 kg)
Weight of Expansion Unit Accessories	1.5 lb (0.7 kg)
Mounting Options	Floor or wall mount
Stacking Capability (Floor Mount Only)	Up to (3) Expansion units behind a Powerwall 3
Compatibility with Other Systems	Only compatible with Powerwall 3
Connection to Powerwall 3 or Expansions	Expansion Harness ⁴

Tesla Remote Meter Specifications

TESLA REMOTE METER SPECIFICATIONS



Tesla Remote Meter Specifications

Model Number	2002069-00-x
Accuracy	0.5%
Nominal AC Voltage	230 VAC ¹
AC Frequency	50 - 60 Hz
Maximum Power Consumption	3 W
Compatible CTs	Tesla 200A CTs (see Tesla 200A CT Specifications on page 3)
Connection Method	Wireless: Wi-Fi ^{2, 5}
	Wired: RS-485 (RS485) harness (1.2 m or 4 ft) ^{3, 4, 5}
Overcurrent Protection Device (OCPD)	Maximum 16 A
Dimensions	145 x 52 x 31 mm
Ambient Operating Temperature	-30°C to 70°C
Conforms to	UL 61010-1, CSA C22.2 No. 61010-1, IEC/EN 61010-1, ANSI C12.1, IEC 62052-11, IEC 62053-21
Supported Applications	Site, Solar, Generator, Conductor
Compatible Grid Types	1 ϕ L1-N, 3 ϕ L1-L2-L3-N Wye ⁶

¹ Voltage harness (600 mm or 23.6 in) is included in the Tesla Remote Meter kit. If additional length is required, the voltage harness can be extended using 1.5 - 6 mm² AC wiring. To maintain accuracy, keep the meter within 61 m of its breaker when using 2.5 mm² wire.

² An external Wi-Fi antenna and antenna extension cable are included in the Tesla Remote Meter kit. When using Wi-Fi as the connection method, remote meters placed inside of load centers can be subject to signal interference, especially when a panel cover is installed. For best performance, where possible, use the included external antenna and the antenna extension cable to extend the external antenna.

³ RS-485 harness is not included in the Tesla Remote Meter kit; it must be ordered individually (Tesla P/N 2045794-00-x).

⁴ If the RS-485 harness length is not sufficient, 0.2 - 1.5 mm² communication wiring can be used to extend the length up to a maximum of 100 m or 328 ft.

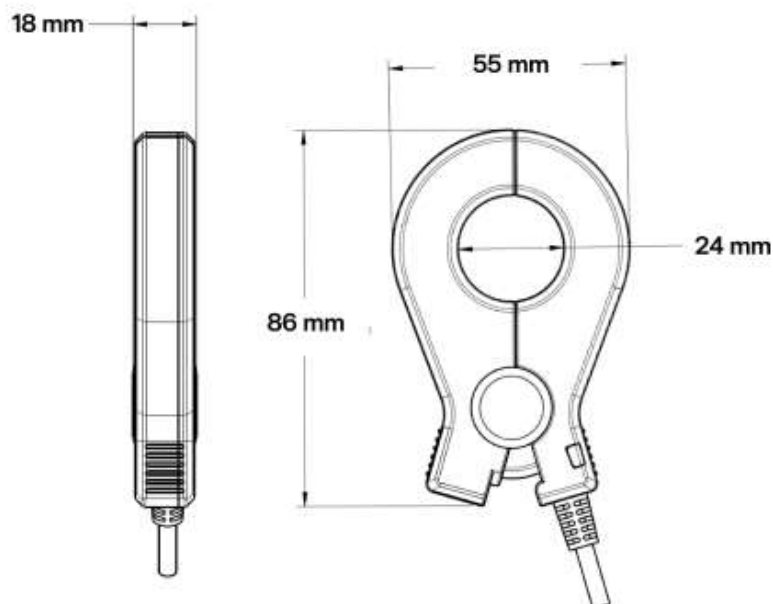
Tesla 200A CT Specifications

Model Number	2033376-00-x
Capacity	200 A
Insulation Rating	600 V
Lead Length	1.5 m ⁷
Optional Extension	3.5 m ⁸
Optional Y-Splitter	Not available
Dimensions (L, W, H)	86 x 55 x 18 mm
Window Size	24 mm
Operating Temperature	-30°C to 85°C

⁷ If the CT lead length is not sufficient, do not splice the CT leads. Up to (2) CT extensions can be used to extend the length to a maximum of 8.5 m (1.5 m CT lead + 3.5 m extension + 3.5 m extension).

⁸ Extension is not included in the Tesla Remote Meter kit; it can be ordered individually (Tesla P/N 2060713-xx-y).

Figure 1. Tesla 200A CT Dimensions



Attachments:

1. System Label for PCS
 - a. Powerwall 3 Label

TESLA POWERWALL ENERGY
STORAGE SYSTEM GRID
SUPPORT UTILITY INTERACTIVE
& STANDALONE INVERTER

SERIAL NO
DATAMATRIX
(15mm x 15 mm)

TESLA PART NO.
1707000-XX-Y
SN:XXXXXXXXXX

DC BATTERY ENERGY STORAGE SYSTEM (BESS) & PHOTOVOLTAIC (PV) POWER CONVERSION EQUIPMENT

NOMINAL BATTERY ENERGY	13.5 kWh	BESS INVERTER TOPOLOGY	ISOLATED
BATTERY TYPE	LI-ION	OPERATING TEMPERATURE RANGE	-20°C TO 50°C
PROTECTIVE CLASS	CLASS 1	DE-RATED TEMPERATURE RANGE	40°C TO 50°C
ENCLOSURE TYPE	TYPE 3R	MASS	130 kg
PV INVERTER TOPOLOGY	NON-ISOLATED		

BATTERY ENERGY STORAGE SYSTEM (BESS) & PHOTOVOLTAIC (PV) SPECIFICATIONS

NOMINAL GRID VOLTAGE INPUT & OUTPUT	240 V (AC)	BESS MAX CONTINUOUS INPUT CURRENT, POWER	
GRID VOLTAGE RANGE	211 V - 264 V (AC)	POWERWALL 3 ONLY	20.8 A (AC) (5 kVA)
PHASE	2W+N+PE	POWERWALL 3 + ONE EXPANSION	41.7 A (AC) (10 kVA)
FREQUENCY	60 Hz	POWERWALL 3 + TWO OR MORE EXPANSION UNITS	47.92 A (AC) (11.5 kVA)
MAX SHORT-CIRCUIT CURRENT RATING	10 kA (AC)	PV OPERATING DC INPUT VOLTAGE RANGE	60 - 550 V (DC)
POWER FACTOR	-1 TO +1	PV OPERATING DC MPPT VOLTAGE RANGE	60 - 480 V (DC)
MAX CONTINUOUS OUTPUT CURRENT (AC) (POWER AT 240V)	☐ 21 A (AC) (5 kVA) ☐ 24 A (AC) (5.8 kVA) ☐ 32 A (AC) (7.6 kVA) ☐ 42 A (AC) (10 kVA) ☐ 48 A (AC) (11.5 kVA)	PV MAX SYSTEM VOLTAGE	600 V (DC)
MAX CONTINUOUS OUTPUT CURRENT OFF-GRID (PV ONLY, -20°C TO 25°C)	☐ 64 A (AC) (15.4 kVA)	PV MAX INPUT CURRENT	15 A (DC)
		PV DC ARC FAULT PROTECTION	TYPE 1



CONFORMS TO UL STD 9540, UL STD 1741, UL STD 1973, UL STD 1699B,
CSA C22.2 No. 107.1, CSA 22.2 No. 330, CSA 22.2 No. 9 292
CONTAINS FCC ID: 2ABIM-WL18DBMOD, XMR2020BG95M2
CONTAINS IC: 20098-WL18DBMOD, 10224A-2020BG95M2
GRID SUPPORT INTERACTIVE INVERTER - CSA C22.3 NO. 9 - SUPPLEMENTAL
PHOTOVOLTAIC DC ARC FAULT DETECTOR PROTECTION
SUITABLE FOR SERIES AND PARALLEL ARCING FAULT PROTECTION
SUITABLE FOR USE IN RESIDENTIAL NON-HABITABLE SPACES



THE MAXIMUM OPERATING CURRENT OF THIS SYSTEM MAY BE CONTROLLED ELECTRONICALLY. REFER TO THE MANUFACTURER'S INSTRUCTIONS FOR MORE INFORMATION.

PHOTOVOLTAIC (PV) RAPID SHUTDOWN SYSTEM EQUIPMENT RS2

ONLY THE INDICATED TERMINALS OF THIS PRODUCT COMPLY WITH PV RAPID SHUTDOWN REQUIREMENTS FOR CONTROLLED CONDUCTORS OUTSIDE THE ARRAY PVRS CONTROLLED CONDUCTOR CONNECTION PORT. REFER TO INSTRUCTIONS FOR CONDITIONS OF USE.

CAUTION: RISK OF ELECTRIC SHOCK. DO NOT REMOVE COVER NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. BOTH AC AND DC VOLTAGE SOURCES ARE TERMINATED INSIDE THIS EQUIPMENT. EACH CIRCUIT MUST BE INDIVIDUALLY DISCONNECTED BEFORE SERVICING. WHEN THE PV ARRAY IS EXPOSED TO LIGHT IT SUPPLIES A DC VOLTAGE TO THIS EQUIPMENT.

WARNING: ELECTRIC SHOCK HAZARD. THE DC CONDUCTORS OF THIS PV SYSTEM ARE NORMALLY UNGROUNDED BUT WILL BECOME INTERMITTENTLY GROUNDED WITHOUT INDICATION WHEN THE INVERTER MEASURES THE PV ARRAY ISOLATION. ENERGY STORED IN CAPACITOR. DO NOT REMOVE COVER UNTIL 5 MINUTES AFTER DISCONNECTING THE EQUIPMENT. POWER FED FROM MORE THAN ONE SOURCE. DISCONNECT ALL SOURCES OF SUPPLY BEFORE SERVICING.

ATTENTION : DES SOURCES D'ALIMENTATION C.A. ET C.C. SONT BRANCHÉES DANS CET ÉQUIPEMENT AVANT L'ENTRETIEN, CHAQUE CIRCUIT DOIT ÊTRE DÉCONNECTÉ. LORSQUE LE CHAMP DE MODULES PHOTOVOLTAÏQUES EST EXPOSÉ À LA LUMIÈRE, IL FOURNIT UNE TENSION CONTINUE À CET ÉQUIPEMENT.

AVERTISSEMENT : RISQUES D'ÉLECTROCUTION. NE PAS RETIRER LE COUVERCLE. NE CONTIENT AUCUNE PIÈCE POUVANT ÊTRE RÉPARÉE PAR L'UTILISATEUR. RISQUE DE DÉCHARGE ÉLECTRIQUE. LES CONDUCTEURS DE TENSION CONTINUE DE CE SYSTÈME PHOTOVOLTAÏQUE SONT NORMALEMENT NON MIS À LA TERRE, MAIS ILS DEVIENDRONT PAR MOMENT MIS À LA TERRE, SANS AVERTISSEMENT, LORSQUE L'ONDULEUR MESURE L'ISOLATION DU CHAMP DE MODULES PHOTOVOLTAÏQUES. ÉNERGIE STOCKÉE DANS LE CONDENSATEUR. ATTENDEZ AU MOINS 5 MINUTES APRÈS AVOIR DÉCONNECTÉ L'ÉQUIPEMENT AVANT DE RETIRER LE COUVERCLE. ALIMENTATION PROVENANT DE PLUSIEURS SOURCES. DÉCONNECTEZ DE TOUTES LES SOURCES DE COURANT AVANT DE PROCÉDER À L'ENTRETIEN.

TESLA
COUNTRY OF ORIGIN: US

TESLA, INC.
550 MILAN DR
SPARKS, NV, 89437, USA
TEL: 1(877)798-3752
WWW.TESLA.COM

b. Backup Gateway 2 Label

BACKUP GATEWAY 2

PLACE TESLA
PN / BARCODE
LABEL HERE

Conforms to:
UL STDs 67, 916, & 969A



Certified to:
CSA STDs C22.2 # 205 & 019

PROTECTIVE CLASS	CLASS I
ENCLOSURE TYPE (UL 50)	NEMA TYPE 3R, RAIN-TIGHT
OPERATING TEMPERATURE RANGE	-4°F TO 122°F
AC INPUT / OUTPUT	
VOLTAGE RANGE	110-240VAC
MAX CURRENT	200A
MAX INPUT SHORT CIRCUIT CURRENT	10kA*
FREQUENCY	60Hz
MAXIMUM POWER	48kW
*WHEN PROTECTED BY CLASS J FUSES, THIS PANEL BOARD IS SUITABLE FOR USE IN CIRCUITS CAPABLE OF DELIVERING NOT MORE THAN 22kA SYMMETRICAL AMPERES.	





SEE DOCUMENTATION
FOR ADDITIONAL
SAFETY INFORMATION

CAUTION:
RISK OF ELECTRIC SHOCK. MULTIPLE VOLTAGE SOURCES TERMINATED WITHIN. REFER SERVICING TO QUALIFIED PERSONNEL. DISCONNECT EACH CIRCUIT BEFORE SERVICING.

COMPARTMENT FOR SUPPLY AUTHORITY USE ONLY
WARNING: ISOLATE AT SUPPLY AUTHORITY SOURCE BEFORE ENTERING THIS COMPARTMENT

RISQUE DE CHOC ÉLECTRIQUE. PLUSIEURS SOURCES DE TENSION SONT CONNECTÉES À L'INTÉRIEUR DE CET ÉQUIPEMENT. CHAQUE CIRCUIT DOIT ÊTRE DÉCONNECTÉ INDIVIDUELLEMENT AVANT INTERVENTION. LA MAINTENANCE DOIT ÊTRE EFFECTUÉE PAR DU PERSONNEL QUALIFIÉ.

COMPARTIMENT RÉSERVÉ AU DISTRIBUTEUR D'ÉLECTRICITÉ
AVERTISSEMENT : ISOLER À LA SOURCE D'ALIMENTATION DU DISTRIBUTEUR AVANT D'OUVRIR CE COMPARTIMENT

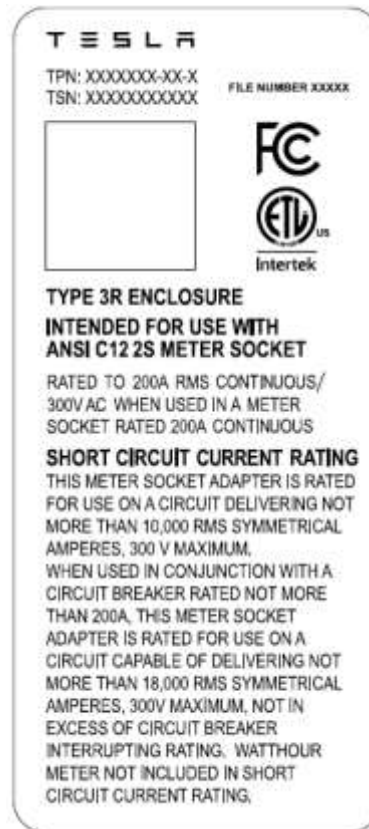
SUITABLE FOR USE AS SERVICE EQUIPMENT

CLASS CTL PANELBOARD



(877) 798-3752 | www.tesla.com

c. Backup Switch Label



d. Backup Gateway 3 Label

GATEWAY 3

PLACE TESLA
PN / BARCODE
LABEL HERE

Conforms to:
UL STDs 67, 916, 869A, & 1741

IEC PROTECTIVE CLASS	CLASS I
ENCLOSURE TYPE	TYPE 3R, RAINPROOF
OPERATING TEMPERATURE RANGE	-20°C TO 50°C (-4°F TO 122°F)
AC INPUT / OUTPUT	
NOMINAL VOLTAGE	120/240VAC
MAX CONTINUOUS CURRENT	200A
MAX SUPPLY SHORT CIRCUIT CURRENT	25kA*
GRID FREQUENCY	60Hz

*SEE INSTALLATION MANUAL FOR ALLOWABLE MAIN AND BRANCH BREAKER COMBINATIONS

SEE DOCUMENTATION
FOR ADDITIONAL
SAFETY INFORMATION

CAUTION: RISK OF ELECTRIC SHOCK. MULTIPLE VOLTAGE SOURCES TERMINATED WITHIN. DISCONNECT EACH CIRCUIT BEFORE SERVICING. REFER SERVICING TO QUALIFIED PERSONNEL.

WARNING: ISOLATE AT SUPPLY AUTHORITY SOURCE BEFORE ENTERING THIS COMPARTMENT

ATTENTION: RISQUE DE CHOC ÉLECTRIQUE. PLUSIEURS SOURCES DE TENSION SONT CONNECTÉES À L'INTÉRIEUR DE CET ÉQUIPEMENT. CHAQUE CIRCUIT DOIT ÊTRE DÉCONNECTÉ INDIVIDUELLEMENT AVANT INTERVENTION. LA MAINTENANCE DOIT ÊTRE EFFECTUÉE PAR DU PERSONNEL QUALIFIÉ.

AVERTISSEMENT: ISOLER À LA SOURCE D'ALIMENTATION DU DISTRIBUTEUR AVANT D'OUVRIR CE COMPARTIMENT.

SUITABLE FOR USE WITH INTERCONNECTED PARALLEL ELECTRIC POWER PRODUCTION SOURCES

SUITABLE FOR USE AS SERVICE EQUIPMENT

CLASS CTL PANELBOARD

TESLA, INC
SOUTH PARK AVENUE
BUFFALO, NY 14220, USA
TEL: 1(877)798-3752
WWW.TESLA.COM

e. Tesla Remote Meter (Energy site meter)

TESLA REMOTE METER

AC Voltage	100-240 VAC
AC Frequency	50/60 Hz
Current Measurement Range	240A
Max Power	3W
Product Weight	130g
Ingress Protection	IP51
Enclosure Type	Type 2
Operating Temperature	-30°C to 70°C

Conforms to UL 61010-1, CSA C22.2 No. 61010-1, IEC/EN 61010-1, ANSI C12.1, IEC 62052-11, IEC 62053-21

CONTAINS FCC ID: TLZ-CU5XX
CONTAINS IC: 6100A-CU5XX












CAUTION: DO NOT REMOVE COVER.
NO USER SERVICEABLE PARTS
INSIDE. REFER SERVICING TO
QUALIFIED SERVICE PERSONNEL.

ATTENTION: N'OUVREZ PAS LE
BOITIER. AUCUNE PIÈCE RÉPARABLE
PAR L'UTILISATEUR À L'INTÉRIEUR.
CONFIEZ L'ENTRETIEN À UN
PERSONNEL QUALIFIÉ.

TESLA



TPN:2002069 – 00 – D

TSN:EM42422627A001

PASSWORD: VMQPYGOGPD

SSID:TRM_060127

f. Powerwall 3 Expansion Label

BATTERY ENERGY STORAGE SYSTEM (BESS) SPECIFICATIONS

NOMINAL BATTERY ENERGY	13.5 KWHR
BATTERY TYPE	LI-ION
PROTECTIVE CLASS	CLASS I
ENCLOSURE TYPE	TYPE 3R
BATTERY INGRESS PROTECTION	IP67
OPERATING TEMPERATURE RANGE	-20°C TO 50°C
DE-RATED TEMPERATURE RANGE	40°C TO 50°C
MASS	110 KG
NOMINAL VOLTAGE	83.7 V (DC)
VOLTAGE RANGE	52 V - 92 V (DC)
CONFORMS TO ANSI/CAN/UL STD 9540 & ANSI/CAN/UL 1973	

CAUTION: RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DC VOLTAGE SOURCES ARE TERMINATED INSIDE THIS EQUIPMENT. EACH CIRCUIT MUST BE INDIVIDUALLY DISCONNECTED BEFORE SERVICING.

WARNING: ELECTRIC SHOCK HAZARD. POWER FED FROM MORE THAN ONE SOURCE. DISCONNECT ALL SOURCES OF SUPPLY BEFORE SERVICING.

ATTENTION : RISQUES D'ÉLECTROCUTION. NE PAS RETIRER LE COUVERCLE. NE CONTIENT AUCUNE PIÈCE POUVANT ÊTRE RÉPARÉE PAR L'UTILISATEUR. DES SOURCES D'ALIMENTATION C.C. SONT BRANCHÉES DANS CET ÉQUIPEMENT AVANT L'ENTRETIEN, CHAQUE CIRCUIT DOIT ÊTRE DÉCONNECTÉ.

AVERTISSEMENT : RISQUE DE DÉCHARGE ÉLECTRIQUE. ALIMENTATION PROVENANT DE PLUSIEURS SOURCES. DÉCONNECTEZ DE TOUTES LES SOURCES DE COURANT AVANT DE PROCÉDER À L'ENTRETIEN.

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Thank you for the opportunity to service your product testing needs. Please do not hesitate to contact our engineering or sales team for any questions you may have.

Evaluated by:

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2026.03.06
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Test Engineer

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Reviewer

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Report History:

03/28/23	- US23U76C.001 - Original
04/18/23	- US23U76C.002 – Added Backup Switch configuration information to support PCS functionality with Powerwall 3. Added test list table Added ESS operating modes.
07/25/23	- US23U76C.003 – Added Backup Gateway 3 configuration information to support PCS functionality with Powerwall 3.
11/14/23	- US23U76C.004 – Added Export only mode details for all combination.
02/13/24	- US23U76C.004 – Updated typo error on page 2 & added table for PW3+GW2+MSA combination
09/23/24	- Added Powerwall 3 Expansion information on page 1, 2, 3, 4, 8 and 13.
03/05/2025	- Add UL 3141 standard
03/06/2026	- Updates for UL 3141