

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

TESLA PART NO. 1707000-XX-Y

**SERIAL NO  
QR CODE  
(15mm x15mm)**

SN: XXXXXXXXXXXXXXXX

**Photovoltaic (PV) & Battery Energy Storage  
System (BESS) Power Conversion Equipment**

Nominal Battery Energy	13.5 kW-hr
Battery Type	Li-Ion
Protective Class	Class I
Enclosure Type	Type 3R
Operating Temperature Range	-20°C to 50°C
De-rated Temperature Ranges	40°C to 50°C
PV Inverter Topology	Non-Isolated
BESS Inverter Topology	Isolated
Mass	130 kg

**Photovoltaic (PV) & Battery Energy Storage  
System (BESS) Specifications**

Nominal Grid Voltage Input & Output	240 V (AC)
Grid Voltage Range	211 V - 264 V (AC)
Phase	240 V (AC): 2W+N+PE
BESS Max Supply Fault Current	10 kA (AC)
Max Continuous Output Current	<input type="checkbox"/> 48 A (AC) <input type="checkbox"/> 32 A (AC) <input type="checkbox"/> 40 A (AC) <input type="checkbox"/> 24 A (AC)
BESS Max Continuous Input Current	20.8 A (AC)
Frequency	60 Hz
Max Continuous Output Power	<input type="checkbox"/> 11.5 kVA <input type="checkbox"/> 7.6 kVA <input type="checkbox"/> 9.6 kVA <input type="checkbox"/> 5.7 kVA
BESS Max Continuous Input Power	5 kVA
Power Factor	-1 to +1
PV Operating DC Input Voltage Range	60 - 550 V (DC)
PV Operating DC MPPT Voltage Range	150 - 480 V (DC)
PV Max System Voltage	600 V (DC)
PV Max Input Current	13 A (DC)
PV DC Arc Fault Protection	Type 1
Conforms to UL Std 9540, UL Std 1741, UL Std 1973, UL Std 1699B	
Contains FCC ID : 2AEIM-WL18DBMOD, XMR2020BG95M2	
Contains IC : 20098-WL18DBMOD, 10224A-2020BG95M2	

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



**Photovoltaic (PV) Rapid Shutdown System Equipment**

ONLY THE INDICATED TERMINALS OF THIS PRODUCT COMPLY WITH PV RAPID SHUTDOWN REQUIREMENTS FOR CONTROLLED CONDUCTORS OUTSIDE THE ARRAY PVRSS 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 DE 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 PROVEVANT DE PLUSIEURS SOURCES. DÉCONNECTEZ DE TOUTES LES SOURCES DE COURANT AVANT DE PROCÉDER À L'ENTRETIEN.

**TESLA**

Made in the USA

**Tesla, Inc**  
Electric Avenue  
Sparks, NV, 89437, USA  
Tel: 1(877)798-3752  
www.tesla.com