

## System Technical Specification

Model Number	1707000-xx-y	
Nominal Grid Voltage (Input & Output)	230 VAC	
Grid Type	Single phase	
Frequency	50 Hz	
Nominal Battery Energy	13.5 kWh AC <sup>2</sup>	
Nominal Output Power (AC)	5 kW	10 kW
Maximum Apparent Power	5,000 VA	10,000 VA
Maximum Continuous Current	21.7 A	43.5 A
Overcurrent Protection Device	32 A	50 A
Maximum Continuous Charge Power	5 kW	
Load Start Capability	185 locked rotor amps (LRA)	
Power Scalability	Up to 4 Powerwall 3 units supported <sup>3</sup>	
Supported Islanding Device	Backup Gateway 2	
Connectivity	Wi-Fi (2.4 and 5GHz) Ethernet, 4G Back-up	
Protections	Integrated arc fault circuit interruptor (AFCI), Isolation Monitor Interrupter (IMI), Integrated DC Isolator	
Customer Interface	Tesla Mobile App	
Warranty	10 years	

## 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	3
Maximum Current per MPPT ( $I_{mp}$ )	26 A
Maximum Short Circuit Current per MPPT ( $I_{sc}$ )	30 A

## Environment Specification

Operating Temperature	-20°C to 50°C <sup>4</sup>
Environment	Indoor and outdoor rated
Enclosure Rating	IP55
Ingress Rating	IP67 (Battery & Power Electronics) IP55 (Wiring Compartment)
Operating Noise @ 1 m	< 50 db(A) typical, < 62 db(A) maximum

<sup>2</sup> Values provided for 25°C, at beginning of life. 3.3 kW charge/discharge power.

<sup>3</sup> The maximum number of Powerwall 3 units per installation may vary by market.

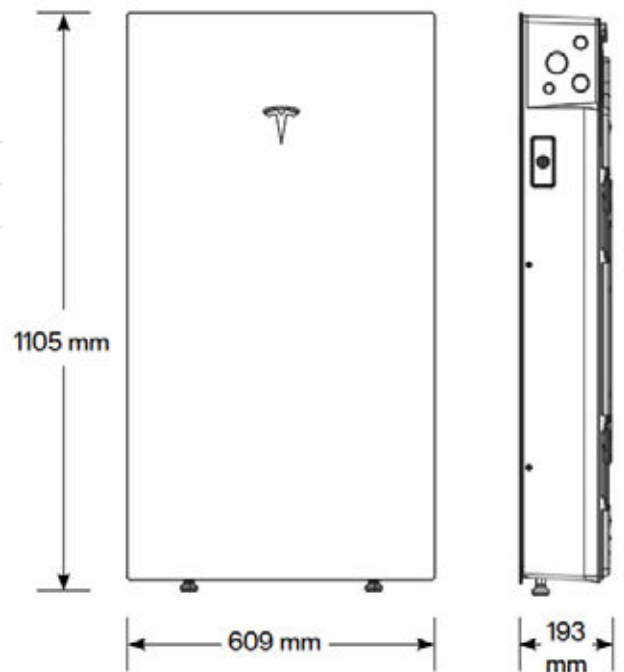
<sup>4</sup> Powerwall 3 is designed to operate in all climates and in direct sunlight, from temperatures of -20°C to 50°C. Performance may be de-rated at operating temperature above 40°C.



## Mechanical Specification

Dimensions	1105 x 609 x 193 mm <sup>1</sup>
Weight	130 kg
Mounting Options	Floor or wall mount

<sup>1</sup> These dimensions include the glass front cover being installed on Powerwall 3



Learn more about  
Tesla Powerwall 3

[mce.solar/pw3](https://mce.solar/pw3)

2024 Powerwall 3 Datasheet