

# POWERWALL

Tesla Powerwall is a fully-integrated AC battery system for residential or light commercial use. Its rechargeable lithium-ion battery pack provides energy storage for solar self-consumption and time-based control.

Powerwall's electrical interface provides a simple connection to any home or building. Its revolutionary compact design achieves market-leading energy density and is easy to install, enabling owners to quickly realize the benefits of reliable, clean power.



## PERFORMANCE SPECIFICATIONS

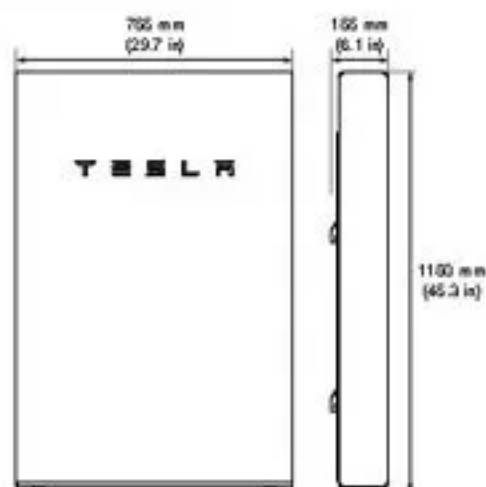
AC Voltage (Nominal)	200 V
Feed-in Type	Single Phase
Grid Frequency	60 Hz
Total Energy <sup>1</sup>	14 kWh
Usable Energy <sup>1</sup>	13.5 kWh
Grid Standards (UK)	GB3 / GB3
Real Power, max. continuous	3.68 kW / 5 kW (charge and discharge)
Apparent Power, max. continuous	3.68 kW / 5 kW (charge and discharge)
Power Factor Output Range	±1-1.0 adjustable
Power Factor Range (full-rated power)	±1-0.95
Internal Battery DC Voltage	50 V
Round Trip Efficiency <sup>2,3</sup>	90%
Warranty	10 years

<sup>1</sup> Values provided for 25°C, 0.5 kW charge and discharge power.

<sup>2</sup> AC to battery to AC, at best-in-class of 10%.

## MECHANICAL SPECIFICATIONS

Dimensions	1150 mm x 765 mm x 155 mm
Weight	125 kg
Mounting options	Floor or wall mount



## COMPLIANCE INFORMATION

Certifications	IEC 62109-1, IEC 62109-2, IEC 62619, UN 38.3
Grid Connection	Worldwide Compatibility
Emissions	IEC 61000-6-1, IEC 61000-6-3
Environmental	RoHS Directive 2011/65/EU, WEEE Directive 2012/19/EU, Battery Directive 2006/96/EC, REACH Regulation
Seismic	AC108, IEEE 693-2005 (high)

## ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-20°C to 50°C
Optimum Temperature	0°C to 30°C
Operating Humidity (RH)	Up to 100%, condensing
Maximum Elevation	3000 m
Environment	Indoor and outdoor rated
Ingress Rating	IP67 (Battery & Power Electronics) IP56 (Wiring Compartment)
Noise Level @ 1m	< 40 dBA @ 30°C