#### POWERWALL

Tesla Powerwall 2 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, load shifting, backup, and off-grid use.

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 realise the benefits of reliable, clean power.



### PERFORMANCE SPECIFICATIONS

AC Voltage (Nominal)	208 V, 220 V, 230 V, 100/200 V, 120/240 V
Feed-In Type	Single Phase
Grid Frequency	50 Hz
Total Energy <sup>1</sup>	14 kWh
Usable Energy <sup>1</sup>	13.5 kWh
Real Power, max continuous <sup>2</sup>	5 kW (charge and discharge)
Apparent Power, max continuous <sup>2</sup>	5 kVA (charge and discharge)
Imbalance for Single-Phase Loads	100%
Power Factor Output Range	+/- 1.0 adjustable
Depth of Discharge	100%
Internal Battery DC Voltage	50 V
Round Trip Efficiency <sup>1,3</sup>	> 90%

#### <sup>1</sup>Values provided for 25°C, 3.3 kW charge/discharge power. <sup>2</sup>Values region-dependent.

<sup>3</sup>AC to battery to AC, at beginning of life.

### COMPLIANCE INFORMATION

Safety	UL 1642, UL 1741, UL 1973, UL 9540, UN 38.3, IEC 62109-1, IEC 62619, CSA C22.2.107.1
Grid Standards	Worldwide Compatibility
Emissions	FCC Part 15 Class B, ICES 003, EN 61000 Class B
Environmental	RoHS Directive 2011/65/EU, WEEE Directive 2012/19/EU, 2006/66/EC
Seismic	AC156, IEEE 693-2005 (high)

# MECHANICAL SPECIFICATIONS

Dimensions	1150 mm x 755 mm x 155 mm
Weight	125 kg
Mounting options	Floor or wall mount

## ENVIRONMENTAL SPECIFICATIONS

–20°C to 50°C
Up to 100%, condensing
3000 m
Indoor and outdoor rated
IP67 (Battery & Power Electronics) IP56 (Wiring Compartment)
< 40 dBA at 30°C

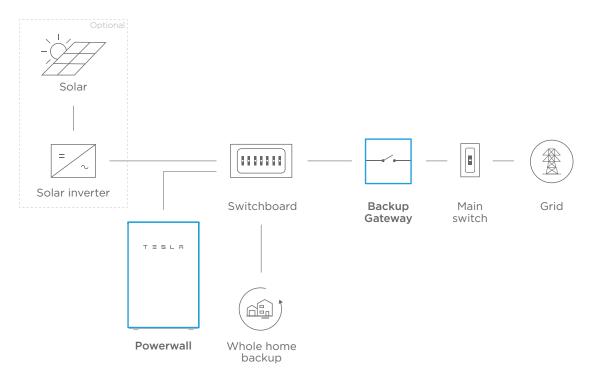
## BACKUP GATEWAY SPECIFICATIONS

Dimensions	691 mm x 378 mm x 129 mm
Weight	16.4 kg
Disconnect Current	200 A
Ingress Rating	IP44
User Interface	Tesla App
Connectivity	Wi-Fi, Ethernet, 3G <sup>4</sup>
AC Meter	Revenue grade
Operating Modes	Support for solar self-consumption, load shifting, backup, and off-grid use
Backup Operation	Automatic disconnect for seamless backup transition
Modularity	Supports up to 10 AC-coupled Powerwalls

## TYPICAL SYSTEM LAYOUTS

#### WHOLE HOME BACKUP

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#### PARTIAL HOME BACKUP

