Solahart
ENERGY Free FROM THE SUN®

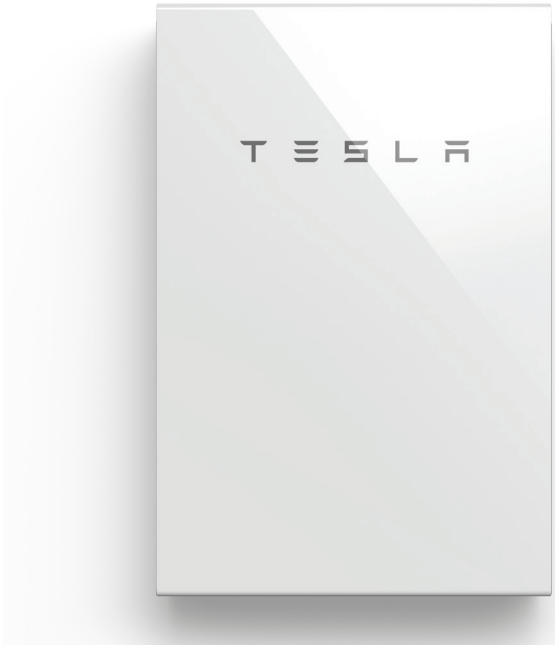
TESLA POWERWALL 2 BATTERY STORAGE

POWERWALL 2 - AC

Tesla Powerwall 2 is the second generation Powerwall from Tesla. It is a fully-integrated AC battery system designed for residential and light commercial use. With rechargeable lithium-ion battery technology, Powerwall provides energy storage for increased solar self-consumption, load shifting and backup functionality.

Solahart Tesla Powerwall Certified Installers offer a customised solar-plus-battery solution that enables you to access the free, abundant power of the sun and reduces your reliance on fossil fuels.

With Powerwall you can store solar energy generated during the day for use anytime. During the day, the sun shines on your solar panels, charging your battery. At night, your home draws electricity from your battery, powering your home with clean and sustainable energy.



CAPTURES AND STORES EXCESS SOLAR ENERGY FOR USE AT NIGHT

HOW YOU BENEFIT

SOLAR SELF CONSUMPTION

Powerwall stores solar energy during the day for use at night.

BACKUP POWER

Protect your home from a power outage with solar power and Powerwall.

LOWER YOUR ENERGY BILLS

Access the free, abundant power of the sun with Powerwall and solar panels and lower your energy bills by using more of your own solar generation.

LESS GRID RELIANCE

Combine solar and Powerwall to power your home with less reliance from the grid.

Technical Data

MODEL	POWERWALL 2 - AC
Performance Specifications	
AC Voltage (Nominal)	230 V
Feed-in type	Single phase
Grid frequency	50 Hz
Total energy[1]	14 kWh
Usable energy[1]	13.5 kWh
Real power, Max continuous	5 kW (Charge and discharge)
Apparent power, Max continuous	5 kVA (Charge and discharge)
Maximum supply fault current	10 kA
Maximum output fault current	32 A
Power factor output range	+ / - adjustable
Internal battery DC voltage	50 V
Round trip efficiency[1,2]	90 %
Tesla Warranty	10 years
Mechanical Specifications	
Dimensions	1150 x 755 x 155 mm
Weight	125 kg
Mounting options	Floor or wall mount
Environmental Specifications	
Operating temperature	-20 to 50°C
Operating humidity	Up to 100%, condensing
Storage conditions	-20 to 30°C I Up to 95 % RH, non-condensing I State of Energy (SOE): 25 % initial
Maximum elevation	3000 m
Environment	Indoor / Outdoor rated
Ingress rating (Battery and power electronics)	IP65
Ingress rating (Wiring compartment)	IP56
Wet location rating	Yes
Noise level @ 1 m	< 40 dBa at 30°C
Compliance Information	
Certification	IEC 62109-1, IEC 62109-2, IEC 62619, UN38.3
Grid connection	Worldwide compatibility
Emissions	IEC 61000-6-1, IEC61000-6-3
Environmental	RoHS Directive 2011/65/EU, WEEE Directive 2012/19/EU, Battery Directive 2006/66/EC, REACH Regulation
Seismic	AC156, IEEE 693-2005 (high)

[1] Values provided for 25°C, 3.3 kW charge/discharge power. [2] AC to battery to AC, at beginning of life.

Solahart Australia 1300 769 475 I www.solahart.com.au

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