POWERWALL

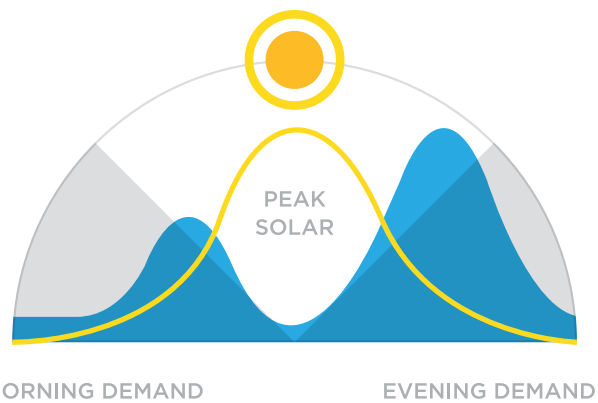
TESLA HOME BATTERY

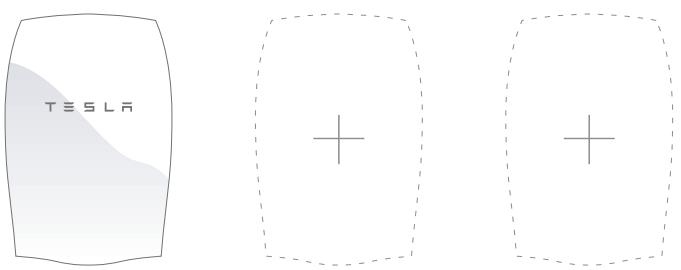
THE FUTURE OF **SUSTAINABLE ENERGY**

The Powerwall is a home battery system that turns your home's solar panels into an all day resource - increasing self consumption of solar - while also offering backup power in the event of a grid outage. The Powerwall enables an inventory of renewable electricity, allowing more and more total electricity production to come from renewable sources, which improves the resiliency of the grid and reduces energy costs.

POWER WHEN **YOU NEED IT**

- Store energy from your solar panels when the sun is shining, or from the grid when energy rates are low.
- Discharge energy for backup or use at night.
- Optimize home energy use automatically to maximize solar consumption and reduce your energy spending.





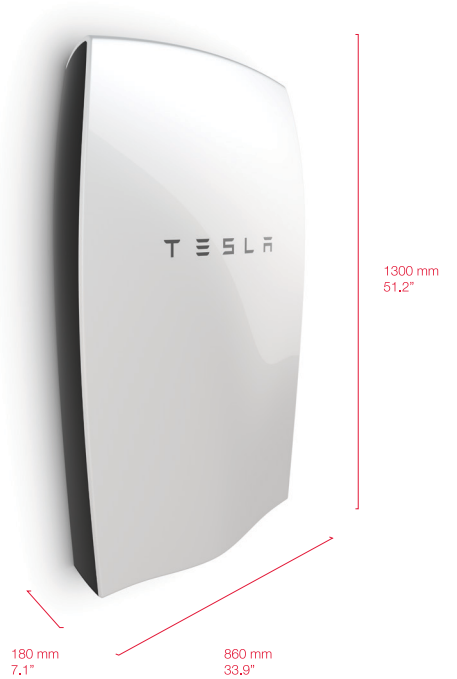
6.4kWh 12.8kWh 19.2kWh

A **FLEXIBLE** SOLUTION

Each Powerwall has 6.4kWh energy storage capacity, sufficient to power most homes during the evening using electricity generated by solar panels during the day. Multiple batteries may be installed together for homes with greater energy needs.

A **SMARTER** GRID

The Powerwall is designed to work in concert with your local grid to provide the smartest energy solution for you and your neighborhood. The Powerwall can respond to signals from the local grid to provide stabilizing services, such as charging when excess wind power is available, or discharging to offset fossil fuel dependent power plants.



BASIC **SPECIFICATIONS**

Design	
Mounting	Wall - Indoor/Outdoor
Enclosure	IP35
Battery Pack	IP67
Inverter	Not Included
Dimensions	H: 1300mm W: 860mm D:180mm
Weight	95kg
Communications	Modbus
	CAN
Warranty	10 Years
KfW 275	Compatible

Certifications
CE Mark
IEC 62619, IEC 62109-1
IEC/EN 61000, Class B Radiated
Battery Directive 2006/66/EC
UN 38.3

Electrical	
Chemistry	Lithium-Ion
Nameplate Energy Capacity	6.4kWh
Compatibility	Single or Three Phase
Depth of discharge	100%
Charge Power	3.3kW
Discharge Power	3.3kW
Charge Current	9.5A
Discharge Current	9.5A
Voltage Range	350 - 450VDC
Temperature Control	Liquid Cooling
DC Roundtrip Efficiency	92.5%*
Operating Temperature Range	-20°C (-4°F) - 50°C (122°F)

*2kW at 25C on 400-450VDC bus