

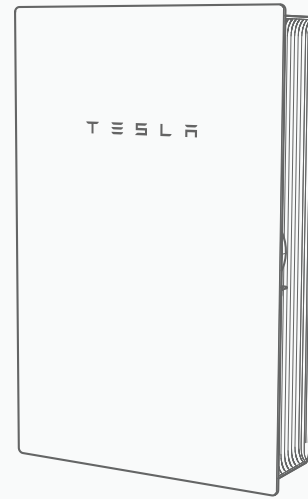
POWERWALL

Backup Gateway 2

Backup Gateway 2 for Tesla Powerwall provides energy management and monitoring for solar self-consumption, time-based control, and backup operation.

When the Powerwall system is in Backup mode, Backup Gateway 2 controls connection to the grid, automatically detecting outages and providing seamless transition to backup power.

Communicating directly with Powerwall, Backup Gateway 2 allows you to monitor energy use and manage backup energy reserves from any mobile device with the Tesla app.



PERFORMANCE SPECIFICATIONS

AC Voltage (Nominal)	100 V–240 V (Line-to-Neutral) 200 V–440 V (Line-to-Line)
Feed-In Type	Single Phase, Split Phase, Three Phase
Grid Frequency	50/60 Hz
Nominal Current	100 A (Single Phase) 80 A (Split Phase and Three Phase)
Maximum Input Short Circuit Current	10 kA
Overcurrent Protection Device ¹	Up to 100 A
Overvoltage Category	Category III
AC Meter	Revenue accurate (+/- 0.2 %)
Connectivity	Ethernet, Wi-Fi (2.4 & 5 GHz), Cellular (LTE/4G/3G/2G) ²
User Interface	Tesla App or Local Network Monitoring
Operating Modes	Support for solar self-consumption, time-based control, and backup
Backup Operation	Backup of split phase or of a selected single phase; Automatic disconnect of all phases
Modularity	Supports up to 10 AC-coupled Powerwalls
Warranty	10 years

¹Circuit breaker required for installation at power origin.

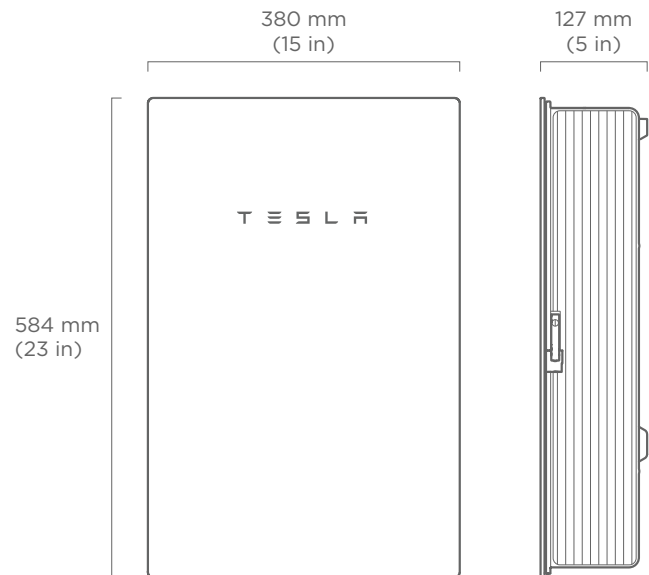
²Cellular connectivity subject to network operator service coverage and signal strength.

COMPLIANCE INFORMATION

Safety	IEC 62109-1, IEC 62053-22
EMC and Radio Equipment	EMC Directive 2014/30/EU, Radio Equipment Directive 2014/53/EU, IEC 61000-6-1, IEC 61000-6-3, EN 55024, EN 300 328, EN 300 440, EN 301 489-1, EN 301 489-17, EN 301 489-52, EN 301 511, EN 301 893, EN 301 908-1
Environmental	RoHS Directive 2011/65/EU, WEEE Directive 2012/19/EU, Battery Directive 2006/66/EC REACH Regulation EC 1907/2006
Seismic	AC156, IEEE 693-2005 (high)

MECHANICAL SPECIFICATIONS

Dimensions	584 mm x 380 mm x 127 mm (23 in x 15 in x 5 in)
Weight	9.8 kg (21.6 lb)
Breaker space (DIN rail)	Main breaker: 1-, 2- or 3-pole Generation/Load breakers: 6 spaces
Mounting options	Wall mount



ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Operating Humidity (RH)	Up to 100%, condensing
Maximum Elevation	3000 m (9843 ft)
Environment	Indoor and outdoor rated
Ingress Rating	IP55