

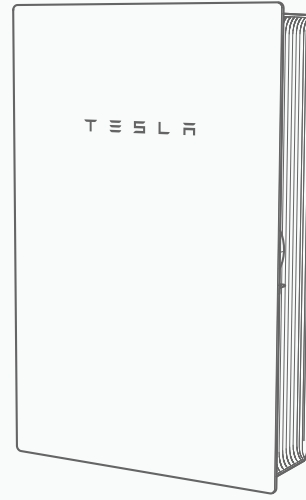
# POWERWALL

## Backup Gateway 2

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

When the Powerwall is in backup mode, Backup Gateway 2 controls connection to the grid, detects outage, and provides 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) <sup>1</sup>	230 V (Line-to-Neutral) 400 V (Line-to-Line)
Feed-In Type	Single Phase, Three Phase
Grid Frequency	50/60 Hz
Nominal Current	100 A per phase (Single Phase) 80 A per phase (Three Phase)
Maximum Input Short Circuit Current	16 kA <sup>2</sup>
Overvoltage Category	Category III
AC Meter	Accuracy (+/- 0.2 %) <sup>3</sup>
Connectivity	Ethernet, Wi-Fi, Cellular (LTE/4G) <sup>4</sup>
User Interface	Tesla App or Local Network Monitoring
Operating Modes	Support for solar self-consumption, time-based control, and backup
Backup Operation	Backup of selected single phase; Automatic disconnect of all phases
Modularity	Supports up to 10 AC-coupled Powerwall 2
Warranty	10 years

<sup>1</sup>230 V (Line-to-Line) is not a supported three-phase configuration.

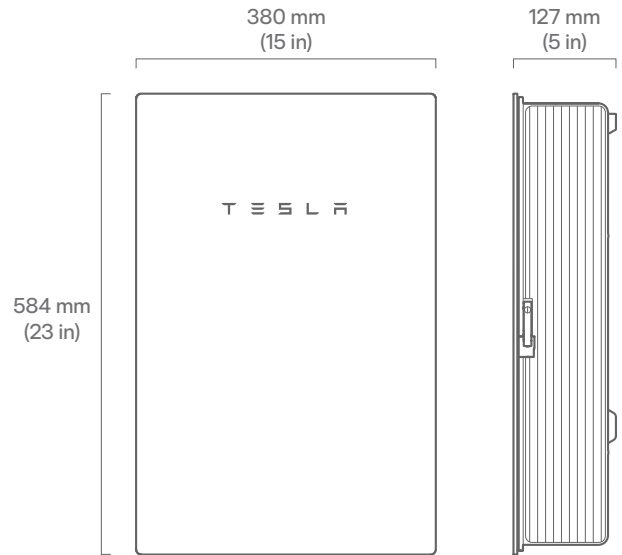
<sup>2</sup>16 kA rating when installed with DIN-mount fuse; 10 kA rating without fuse.

<sup>3</sup>Accuracy when using Gateway internal site meter.

<sup>4</sup>Cellular connectivity subject to network operator service coverage and signal strength (2G/3G supported where LTE/4G unavailable).

### MECHANICAL SPECIFICATIONS

Dimensions	584 mm x 380 mm x 127 mm (23 in x 15 in x 5 in)
Weight	11.4 kg (25.1 lb)
Breaker space (DIN rail)	Up to 9 single pole breakers
Mounting options	Wall mount



### COMPLIANCE INFORMATION

Safety	IEC 62109-1, IEC 62053-22, IEC 61439-1, IEC 61439-3
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)

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature <sup>5</sup>	-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

<sup>5</sup>Performance may be de-rated in extreme ambient temperatures.