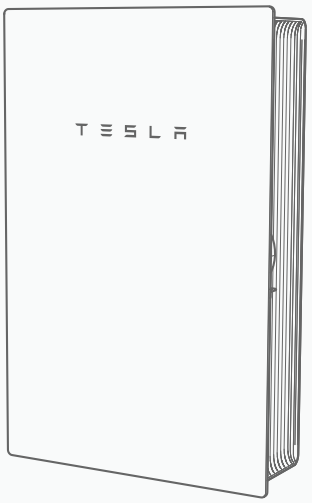
# POWERWALL
## Backup Gateway 2

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 transitioning 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)** | 240 V (Line-to-Neutral)<br>440 V (Line-to-Line) |
| **Feed-In Type** | Single Phase, Three Phase |
| **Grid Frequency** | 50/60 Hz |
| **Nominal Current** | 100 A per phase (Single Phase)<br>80 A per phase (Three Phase) |
| **Maximum Input Short Circuit Current** | 10 kA |
| **Overvoltage Category** | Category III |
| **AC Meter** | Revenue accurate (+/– 0.2 %)[1] |
| **Connectivity** | Ethernet, Wi-Fi, Cellular (LTE/4G)[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 selected single phase; automatic disconnect of all phases |
| **Modularity** | Supports up to 10 AC-coupled Powerwalls |
| **Warranty** | 10 years |

[1]Revenue accurate when using Gateway internal site meter.
[2]Cellular connectivity subject to network operator service coverage and signal strength (2G/3G supported where LTE/4G unavailable).

## MECHANICAL SPECIFICATIONS

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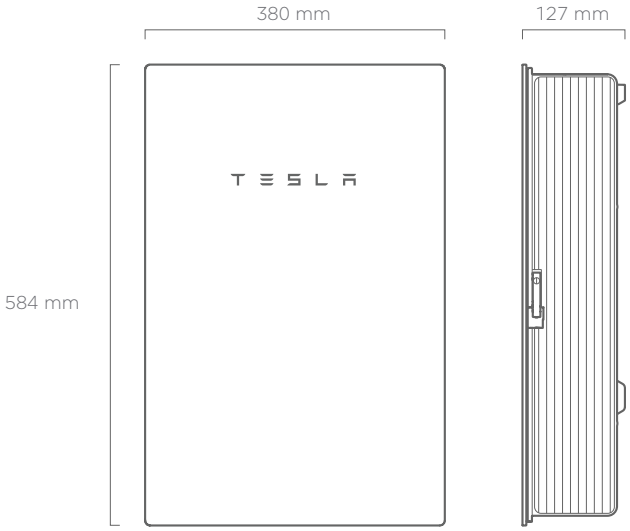
|---|---|
| **Dimensions** | 584 mm x 380 mm x 127 mm<br>(23 in x 15 in x 5 in) |
| **Weight** | 11.4 kg (25.1 lb) |
| **Breaker space (DIN rail)** | Main breaker: 1-, 2- or 3-pole<br>Generation/Load breakers: 6 spaces |
| **Mounting options** | Wall mount |




## COMPLIANCE INFORMATION

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|---|---|
| **Safety** | IEC 62109-1, IEC 62053-22, IEC 61439-1, IEC 61439-3 |
| **EMC and Radio Equipment** | EMC Directive 2014/30/EU,<br>Radio Equipment Directive 2014/53/EU,<br>IEC 61000-6-1, IEC 61000-6-3,<br>EN 55024, EN 300 328, EN 300 440,<br>EN 301 489-1, EN 301 489-17,<br>EN 301 489-52, EN 301 511,<br>EN 301 893, EN 301 908-1 |
| **Environmental** | RoHS Directive 2011/65/EU,<br>WEEE Directive 2012/19/EU,<br>Battery Directive 2006/66/EC<br>REACH Regulation EC 1907/2006 |
| **Seismic** | AC156, IEEE 693-2005 (high) |

## 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 |