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

The Backup Gateway controls connection to the grid, automatically detecting outages and providing a seamless transition to backup power. When equipped with a circuit breaker, the Backup Gateway can be installed at the service entrance.

The Backup Gateway communicates directly with Powerwall, allowing you to monitor energy use and manage backup energy reserves from any mobile device with the Tesla app.

### PERFORMANCE SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC Voltage (Nominal)</td>
<td>230 V, 120/240 V</td>
</tr>
<tr>
<td>Feed-In Type</td>
<td>Single &amp; Split Phase</td>
</tr>
<tr>
<td>Grid Frequency</td>
<td>50 and 60 Hz</td>
</tr>
<tr>
<td>Disconnect Current</td>
<td>200 A</td>
</tr>
<tr>
<td>Maximum Input Short Circuit Current</td>
<td>10 kA</td>
</tr>
<tr>
<td>Overcurrent Protection Device¹</td>
<td>100–200 A; Service Entrance Rated</td>
</tr>
<tr>
<td>Overvoltage Category</td>
<td>Category IV</td>
</tr>
<tr>
<td>AC Meter</td>
<td>Revenue grade (+/- 1%)</td>
</tr>
<tr>
<td>Connectivity</td>
<td>Ethernet, Cellular (3G)², Wi-Fi</td>
</tr>
<tr>
<td>User Interface</td>
<td>Tesla App</td>
</tr>
<tr>
<td>Operating Modes</td>
<td>Support for solar self-consumption, time-based control, and backup</td>
</tr>
<tr>
<td>Backup Operation</td>
<td>Automatic disconnect for seamless backup transition</td>
</tr>
<tr>
<td>Modularity</td>
<td>Supports up to 10 AC-coupled Powerwalls</td>
</tr>
<tr>
<td>Warranty</td>
<td>10 years</td>
</tr>
</tbody>
</table>

¹Circuit breaker required for installation at service entrance.
²Cellular connectivity subject to network operator service coverage and signal strength.

### COMPLIANCE INFORMATION

<table>
<thead>
<tr>
<th>Certification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certifications</td>
<td>UL 1642, UL 1741, IEC 62109-1, CSA C22.2.107.1</td>
</tr>
<tr>
<td>Grid Connection</td>
<td>Worldwide Compatibility</td>
</tr>
<tr>
<td>Emissions</td>
<td>FCC Part 15 Class B, ICES 003, IEC 61000-6-3, EN 55024, EN 301489-1, EN 301489-7, EN 301489-17</td>
</tr>
<tr>
<td>Seismic</td>
<td>AC156, IEEE 693-2005 (high)</td>
</tr>
</tbody>
</table>

### ENVIRONMENTAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>–20°C to 50°C (–4°F to 122°F)</td>
</tr>
<tr>
<td>Operating Humidity (RH)</td>
<td>Up to 100%, condensing</td>
</tr>
<tr>
<td>Maximum Elevation</td>
<td>3000 m (9843 ft)</td>
</tr>
<tr>
<td>Environment</td>
<td>Indoor and outdoor rated</td>
</tr>
<tr>
<td>Enclosure Type</td>
<td>NEMA 3R</td>
</tr>
<tr>
<td>Ingress Rating</td>
<td>IP44</td>
</tr>
</tbody>
</table>

2018-03-22