



Tesla solar battery storage

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Powerwall gives you the ability to store energy for later use and works with solar to provide key energy security and financial benefits. Each Powerwall system is equipped with energy monitoring, metering and smart controls for owner customization using the Tesla app. The system learns and adapts to your energy use over time and receives over-the-air updates to add new features and enhance existing ones.

Powerwall 3 and Powerwall+ are designed for owners installing a new solar and storage system. Solar systems are integrated directly into the Powerwall, for higher efficiency and more compact installation with solar inverters included. Powerwall 2 is designed to be added on to existing solar systems and is compatible with all major inverter brands.

Powerwall 3 Expansion is designed for Powerwall 3 owners looking to extend backup duration at a reduced cost. Each Powerwall 3 Expansion unit provides 13.5 kWh of additional energy capacity and can easily be installed with your Powerwall 3.

Powerwall is charged by solar during the day, when solar panels are producing more electricity than the home is consuming. Powerwall then stores that energy until the home needs it, such as when solar is no longer producing at night, or when the utility grid is offline during a power outage. With Tesla, when your Powerwall system changes status, such as the utility grid going down or offline, you can expect to receive notifications from the Tesla app.

If your electricity rates vary throughout the day, Powerwall can charge when your utility's electricity costs are low and discharge when electricity costs are high, generating automatic savings. Powerwall will also provide seamless backup power by detecting grid outages and automatically becoming the home's main power source.

When Powerwall+ is installed by itself with a non-backup configuration, it fully operates when the grid is active but does not provide power when there is a grid outage. Owners can use the power they generate with solar at night, export energy at peak prices and participate in the Tesla Virtual Power Plant.

Powerwall stores your solar energy for backup protection, so when the grid goes down your power stays on. Powerwall home battery continues Tesla's mission and makes clean energy accessible to all, day and night.

For most homes, you can receive whole-home backup to power your entire home during an outage and have energy independence by producing energy with solar. You can also reduce your reliance on the grid and save money on utility bills. Once installed, Powerwall can be monitored and managed using the Tesla app to customize system behavior to meet your energy goals.

Powerwall 3 is a fully integrated solar and battery system, designed to meet the needs of your home.



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Powerwall 3 can supply more power with a single unit and is designed for easy expansion to meet your present or future needs. Powerwall 3 features an integrated solar inverter allowing solar to be connected directly for high efficiency; it can also be added to existing solar or installed on its own, like Powerwall 2.

Place an order online. Powerwall 3 is now available in the U.S. with Puerto Rico coming later this year. Once you place an order, Tesla or a Tesla Certified Installer will inform you of which Powerwall model is recommended for your home.

Chat with your Tesla Advisor or Tesla Certified Installer about your options. Once you place an order, Tesla or a Tesla Certified Installer will inform you of which Powerwall model is recommended for your home. Additional limitations based on supported systems and territories may apply.

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