



Best residential solar batteries

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We've thoroughly researched the top solar battery options on the market, reviewing each model's warranty, power rating, capacity, longevity and more. Our picks for the top solar batteries are Tesla Powerwall, SonnenCore+ and Enphase IQ, but the best battery for you will depend on your energy needs and preferences.

Solar batteries store excess energy generated by your solar panels that you can use at night, on cloudy days or during power outages. In this guide, explore how adding a battery to your solar system allows you to use more of the energy you're generating.

Get an installation quote on our top rated battery, the SunPower SunVault.

with our comparison partner, HomeService Quotes

Integrating a solar battery into a new or existing solar panel system almost always requires professional installation. Select one of our top solar companies from the panel above to get connected with a solar battery installer.

See how our top-rated solar batteries compare on key metrics and see which one of our trusted installers can add them to a new or existing system.

Below are our top six solar batteries:



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The Tesla Powerwall 3 builds on the features of its predecessors to offer a higher power rating and peak power capacities of 7.5 kilowatts (kW) and 30 kW. A battery's power rating refers to its general energy capacity, whereas peak power measures how much energy it can produce in a short amount of time. The new Powerwall's direct current (DC)-coupling, or the way it's connected to solar panels, also makes it more efficient and easier to set up. The battery boasts other premium features such as high efficiency, durability and smart functionality, including app-based monitoring and control.

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