60 kWh energy storage battery reviews



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"This is smart solar. This is actually the solution for energy transition," Sonnen CEO Blake Richetta told CNET. "In other words, you're reducing your carbon footprint far more and you're providing a real solution for getting rid of fossil fuel-based power plants. What that also means to you is a lower electric bill."

Interested in understanding the impact solar can have on your home? Enter some basic information below, and we'll instantly provide a free estimate of your energy savings.

Solar batteries are part of a complex home energy system, with energy needs and solar panels differing from house to house. This makes hands-on testing of these products difficult. Instead, this review is based on specs and information provided by Sonnen online and an interview with Richetta to make sure we have the most up-to-date information.

Here's what you can expect with a Sonnen battery.

Sonnen offers three different residential batteries in the US: the SonnenEvo, SonnenCore Plus and EcoLinx. Each battery can provide backup power, which is nice. But Sonnen batteries are designed for a connection with the company's virtual power plant program. Sonnen also offers a commercial and industrial EcoLinx battery called the EcoLinx 100. This review covers only Sonnen's residential battery models.

Sonnen batteries aren't all about backup power, but it's still important to take a look at how these batteries perform in that area.

Sonnen is a German company, specializing in virtual power plant, or VPP, and grid-services technology in Europe. Now Sonnen has brought its VPP technology to the US.

And though Sonnen batteries can still provide backup power, that isn't their primary function.

"Sonnen has never been a battery that has had anything to do with anything but virtual power plants," said Richetta. "Harnessing solar and harmonizing it into the greater grid operation and transforming intermittent renewable generation into something that's usable in the grid has always been Sonnen's work."

A VPP is essentially a network of small-scale energy-generating or storage devices that are connected together to serve the power grid. VPPs create a power supply from other decentralized resources to be fed into the power grid. This helps provide more demand flexibility, which helps with changing electricity consumption



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patterns throughout the day. The power grid can handle only so much demand at a given time. The integration of renewable energy sources, like solar, into the grid can help offset periods of the day when there's a high energy demand. It can also provide more-affordable power.

The Sonnen VPP virtually connects a local network of Sonnen batteries together to form a virtual renewable power plant capable of servicing the power grid. Participating in the Sonnen VPP can help lower your electricity bill and reduce your carbon footprint. You'll also receive cash payments for participating in grid services. Plus, you'll still receive backup power.

You'll be eligible for participation in the Sonnen VPP with the purchase of any Sonnen battery model, but the Sonnen EcoLinx has access to a wider variety of grid services.

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