



# Panasonic energy storage 18 kWh

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The Panasonic Evervolt Home Battery stands out as a flexible, modular energy storage solution designed to cater to a variety of energy needs. Known for its high performance and adaptable design, the Evervolt works seamlessly with both solar-powered and non-solar households. Offering scalable capacity through multiple configurations, the Evervolt supports AC- and DC-coupled installations, providing energy flexibility that aligns with evolving home requirements. Let's dive into the features, specifications, and performance to determine if it's the right choice for your home.

**Usable Capacity and Scalability**The Evervolt's three modular options--9 kWh, 13.5 kWh, and 18 kWh--allow homeowners to select an appropriate starting capacity and add up to a total of 72 kWh as needs grow. Each module size caters to different energy usage profiles, from basic backup to extended energy support.

**Round-trip Efficiency**The 89% efficiency in AC-coupled setups and 94% in DC-coupled installations enable optimal energy storage and retrieval, especially important for households with high electricity demands.

**Depth of Discharge (DoD)**With a DoD of 90%, the Evervolt allows substantial energy usage without impacting battery health, maximizing its usability between charges.

The Panasonic Evervolt's round-trip efficiency ratings--89% (AC-coupled) and 94% (DC-coupled)--rank among the best, allowing users to store and use energy more effectively. This efficiency is further supported by its depth of discharge rating of 90%, allowing users to access a large portion of the battery's capacity without affecting its lifespan. Real-world scenarios demonstrate that the Evervolt's consistent performance in various applications, including off-grid use during power outages, can sustain household essentials like lights, Wi-Fi, and refrigerators for hours.

Installing the Panasonic Evervolt is straightforward due to its modular design and compatibility with AC- and DC-coupled setups. Homeowners with existing solar systems will find the hybrid inverter integration easy, and the option to expand the system simplifies future upgrades as energy needs change.

The Panasonic Evervolt Home Battery comes with a 12-year warranty, which includes labor costs--an added benefit as not all warranties cover installation. This extended warranty and low annual degradation rate ensure long-lasting performance, supporting energy stability over many years.

The Panasonic Evervolt Home Battery typically ranges from \$15,000 to \$20,000, depending on configuration and installation costs. Though it has a higher initial cost, the efficiency, capacity, and potential savings in electricity bills can offer long-term value. In areas with high electricity rates, the Evervolt can help reduce utility costs over time.



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For a better understanding of average electricity bills in California, read our blog on Average Electric Bills in California.

User feedback on the Panasonic Evervolt Home Battery highlights its reliability, performance, and ease of use. A satisfied customer noted, "The Evervolt has transformed our energy management, and the flexibility to add more units in the future is a huge plus." However, some users mentioned that Panasonic's customer support could improve, especially in terms of response times for technical inquiries.

The Panasonic Evervolt Home Battery offers a robust, flexible solution for residential energy storage, whether or not the home has solar power. With its modular design, hybrid inverter compatibility, and high efficiency, the Evervolt meets the needs of a variety of households. While the initial investment is high, the potential savings, coupled with Panasonic's 12-year warranty, make it a worthwhile option for homeowners aiming to enhance their energy independence.

Panasonic has unveiled a new generation of the EverVolt home battery system. The new version offers a maximum 18-kWh lithium-iron phosphate (LFP) battery capacity. Up to four EverVolt batteries can be stacked to a single EverVolt SmartBox (the company's new home energy management device) to achieve 30 kW of power and 72 kWh of energy.

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