

# **Introduction to Home Energy Storage Products**





## Overview

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Should I add an energy storage system to my home?

Homeowners considering adding an Energy Storage System to their home should evaluate their energy needs, local incentives, and outage risks. Consulting reputable installers and using tools like EnergySage's cost calculators can clarify financial benefits.

What is a solar energy storage system?

They capture and store energy, from sources such as solar panels or directly from the grid during off-peak times, and supply it when needed, reducing reliance on the grid, lowering energy costs, and providing backup power during extended outages. Two examples of commercially available storage solutions are Tesla Powerwall and LG Home Battery RESU.

What can a home energy storage system do for You?

**Integration with Electric Vehicles:** Home energy storage systems increasingly allow bidirectional charging, enabling EVs to support home energy needs during peak demand. **Grid Services and Virtual Power Plants:** Emerging opportunities include participating in demand response programs or selling excess energy back to the grid.

What is an energy storage system (ESS)?

Energy storage systems (ESS) for the home store electricity for later use, typically using batteries like lithium-ion or lithium iron phosphate.



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