



**SolarTech Power Solutions**

# **Small Energy Storage System Solutions**



## Overview

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What are energy storage solutions?

Energy storage solutions are systems that capture energy produced at one time for use at a later time, enabling more efficient use of renewable energy sources and improving grid reliability.

What is ESS Energy Storage?

ESS is a leading provider of long-duration energy storage solutions ideally suited for C&I, utility, microgrid and off-grid applications. Using food-grade, earth-abundant elements like iron, salt, and water for the electrolyte, its innovative iron flow battery system is changing how the industry deploys energy storage.

What is a battery energy storage system (BESS)?

Reliable, efficient, and ready for the future of energy. What are Battery Energy Storage Systems (BESS)?

Battery energy storage systems (BESS) store energy to be used at a later time when demand is high or prices are elevated. It improves grid stability, lowers energy costs, and provides backup power during outages.

What are the different types of energy storage systems?

The most common types we work with include batteries that store electricity as chemical energy (similar to a much larger version of your phone battery), thermal storage systems that hold onto heat or cold (like a super-advanced hot water tank), and mechanical systems that store energy through physical movement or position.

What is a battery energy storage system?

Battery energy storage systems (BESS) store energy to be used at a later time when demand is high or prices are elevated. It improves grid stability, lowers

energy costs, and provides backup power during outages. For government and commercial users, it is a critical step towards energy independence and resilience.

What is a two-container energy storage system?

**Scalable for Demanding Projects:** Compact two-container design enables large-scale energy storage for the toughest environments, providing flexibility and enhanced load management. Reduce emissions and generator runtime by storing unused energy in batteries until it's required.

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### Contact Us

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