

# Ess long duration battery



## Overview

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In June 2025, ESS Tech accelerated its iron flow long-duration energy storage roadmap by 18 months, achieving 12. As demands on the grid continue to grow, LDES will keep the lights on. has announced the acquisition of the intellectual property and assets of VoltStorage GmbH, a German developer of iron-salt battery technology that ceased operations in mid-2025. could achieve profitability "in the next few years," if its new product is a success, the company's CFO has said. -- (BUSINESS WIRE)-- ESS Tech, Inc.

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### SRP and ESS Announce New 50 MWh Long Duration Energy

The ESS Iron Flow Battery (IFB) project will be part of SRP's effort to evaluate emerging, non-lithium ion LDES technologies and support SRP's reliability and sustainability goals. The

### ESS Tech Exceeds Targets, Achieves 12.2-Hour Energy Duration

In June 2025, ESS Tech accelerated its iron flow long-duration energy storage roadmap by 18 months, achieving 12.2 hours at rated power with improved efficiency, durability and cost reductions under



### SRP and ESS Announce New 50 MWh Long Duration Energy

Wilsonville, Ore.- October 9, 2025 - Salt River Project (SRP), a not-for-profit public power utility serving the greater Phoenix metropolitan area, and ESS (NYSE:GWH), a leading manufacturer of iron flow

### White Papers

White Papers Welcome to the ESS Tech, Inc. (ESS) white paper library. Our white papers tackle a variety of complex issues that utilities, independent power producers, project developers, and other





## Why Long-Duration Energy Storage

A net zero energy system requires energy storage for 24/7 renewables. When the sun sets and the wind dies, long-duration energy storage will keep the lights on.

## SRP and ESS Announce New 50 MWh Long Duration

At ESS (NYSE: GWH), we deliver safe, sustainable, long-duration energy storage to ensure energy abundance and security. As energy demand continues to



## ESS Iron Flow Batteries

Clean, long-duration energy storage: accelerating the energy transition Cleaner Safe and sustainable electrolyte chemistry poses low risks to installers, customers, and the environment. Some of the

## ESS Tech, Inc. , Top Long Duration Energy Storage

ESS Tech, Inc. is emerging as a frontrunner in this space with its American-made long-duration iron flow batteries. A leading manufacturer of LDES solutions, the



## Iron Flow Chemistry

ESS Tech, Inc. (NYSE: GWH) is the leading manufacturer of long-duration iron flow energy storage solutions. ESS was established in 2011 with a mission to accelerate decarbonization safely and

## SB Energy, ESS Announce Long-Duration Storage Agreement

ESS Inc. designs, builds and deploys environmentally sustainable, low-cost, iron flow batteries for long-duration commercial and utility-scale energy storage applications requiring from 4



## Long-duration Energy Storage , ESS, Inc.

ESS enables the energy transition and accelerates renewables with long-duration energy storage that is safe and sustainable.

## 120kWh Industrial Energy Storage System - Factory-Grade ESS

The **\*\*120kWh Energy Storage System (ESS)\*\*** is a factory-manufactured, industrial-grade lithium battery solution designed for commercial and manufacturing energy needs. Built with



## ESS Inc. bets on gigawatt-hour scale long-duration flow

Flow battery manufacturer ESS Inc. could be profitable "in the next few years," if its new product is a success, the company's CFO has said.

## [ESS acquires VoltStorage GmbH to accelerate long-duration energy](#)

VoltStorage developed its proprietary Iron Salt Battery technology, positioning it as a cost-



competitive, sustainable alternative to lithium-ion systems for long-duration grid and renewable



### [ESS Acquires VoltStorage GmbH Intellectual Property and Assets to](#)

"By combining decades of iron flow battery expertise across two companies at ESS, we are accelerating innovation to create the most advanced iron-salt battery platform for long-duration

## **ESS IRON FLOW BATTERIES**

ESS Inc. designs, builds and deploys the most environmentally sustainable, lowest-cost, iron flow batteries for long-duration commercial and utility-scale energy storage applications requiring from 4



## **Utility-Scale DER**

Remote microgrids, university and campus applications or utilities balancing DERs all present ideal use cases for ESS Tech, Inc. (ESS) technology. The ESS Energy Center(TM) is a grid-scale, long-duration

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