



ESS IRON FLOW BATTERIES

CLEAN, LONG-DURATION ENERGY STORAGE: ACCELERATING THE ENERGY TRANSITION

Safe. Sustainable. Proven.



ESS ENERGY STORAGE SOLUTIONS

- DELIVER RESILIENCY, PEAK SHAVING & RENEWABLES INTEGRATION.
- ARE NON-TOXIC, NON-HAZARDOUS AND NON-FLAMMABLE SYSTEMS ARE EASY TO SITE AND PERMIT.
- ARE A FIELD-PROVEN TECHNOLOGY BACKED BY MUNICH RE.

CLEANER

- Non-toxic, non-hazardous chemistry poses no risks to installers, customers or the environment.
- Low life cycle carbon footprint.
- Recyclable at end of life.

SAFER

- Inherently non-flammable, non-explosive and certified to the UL 9540A standard confirming fire safety.
- Safe for use within commercial sites or in wildfire-prone regions.

SECURE AND RESILIENT

- Secure, reliable supply chain with no reliance upon critical minerals.
- Long-duration energy storage enables a reliable, resilient grid.

LOWEST COST

- Lowest levelized cost of storage (LCOS) of any long-duration technology.
- Designed for 25 year operating life with minimal annual operations and maintenance (O&M) requirements.



BATTERY CHEMISTRIES MATTER

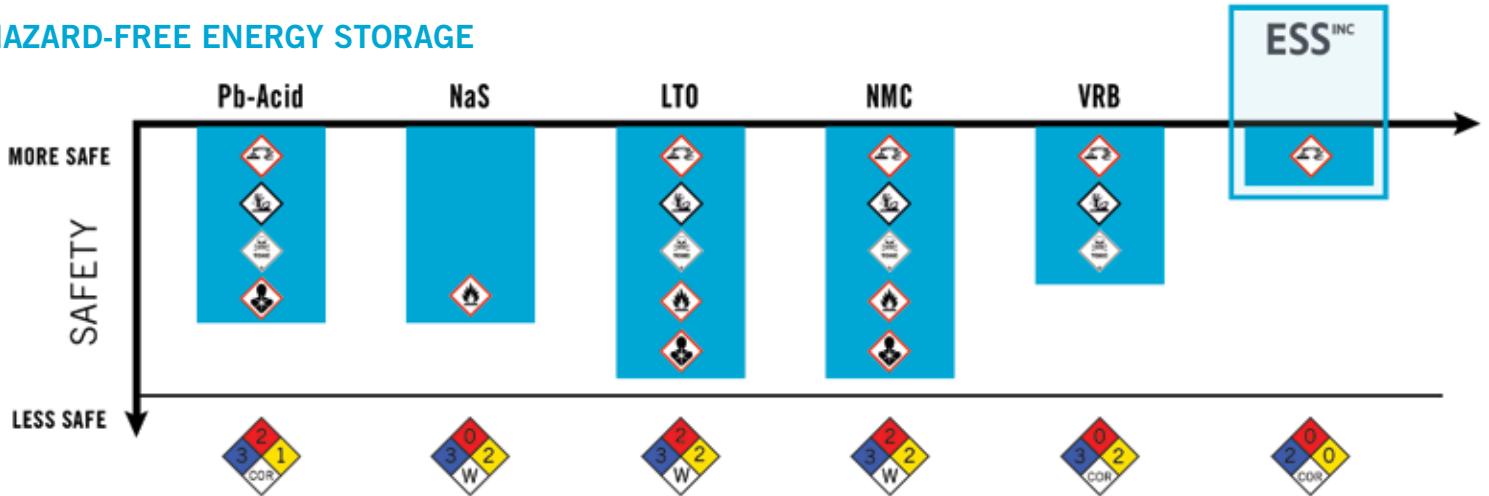
ESS iron flow batteries offer the lowest levelized cost of storage and a safe, non-toxic chemistry using simple, earth-abundant materials for the electrolyte – just iron, salt and water.

With proven installations in the field, ESS's energy storage solutions, backed by an industry-leading warranty, have a 25-year operating life with unlimited cycling and zero capacity fade.

Established in 2011, ESS enables utilities, project developers, and businesses to lead the transition to a grid powered by renewable energy.

ESS: THE CLEANEST WAY TO CLEAN UP YOUR GRID

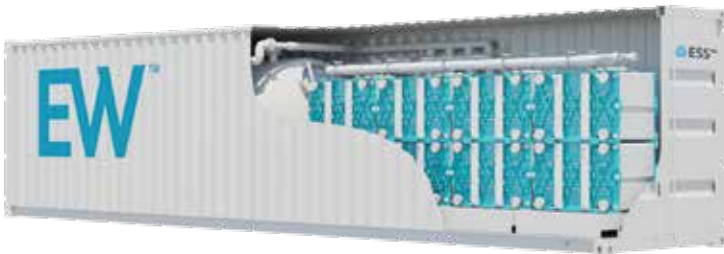
HAZARD-FREE ENERGY STORAGE



ESS SOLUTIONS SIMPLIFY INSTALLATION AND OPERATION

ESS batteries are comprised of earth-abundant iron, salt and water without hazardous chemicals or critical minerals. They are environmentally benign to produce and easy to permit and site. Iron flow batteries have no fire, chemical or explosive risk, eliminating the need for fire suppression, secondary containment and hazmat requirements. In addition, ESS products are recyclable at end-of-life.

VALUE ON BOTH SIDE OF THE METER: SOLUTIONS FOR UTILITIES AND C&I CUSTOMERS



The Energy Warehouse™: Designed to serve commercial and industrial customers, this compact unit has an energy storage capacity of 400 kWh and a 25-year design life. It can be configured to provide storage durations of 4 to 12 hours.

GUARANTEED PERFORMANCE

ESS Inc. has partnered with Munich RE to launch industry-first insurance coverage of our flow batteries. The innovative policy means the battery modules in our storage solutions come with up to 10 year extended warranty backed by a global investment-grade insurer.



The Energy Center™: Created for utility-scale applications, this battery-in-a-building delivers a configurable range of power capacities starting at 3 MW and energy durations ranging from 6 to 12 hours. A one-acre footprint supports up to 6 MW and 90 MWh.

ABOUT ESS INC.

At ESS (NYSE: GWH), our mission is to accelerate global decarbonization by providing safe, sustainable, long-duration energy storage that powers people, communities and businesses with clean, renewable energy anytime and anywhere it's needed. As more renewable energy is added to the grid, long-duration energy storage is essential to providing the reliability and resiliency we need when the sun is not shining and the wind is not blowing.

Our technology uses earth-abundant iron, salt and water to deliver environmentally safe solutions capable of providing up to 12 hours of flexible energy capacity for commercial and utility-scale energy storage applications. For more information visit www.essinc.com.

For more information, contact:



ESS, Inc.
26440 SW Parkway Ave.
Wilsonville, OR. 97070

Tel: (855) 423-9920
Email: info@essinc.com
www.essinc.com

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