

What are ESS batteries?

ESS batteries are the foundation for a decarbonized grid. Iron flow technology allows for unlimited cycling with zero capacity degradation over a 25-year design life. That enables stacked revenue streams. Long-duration energy storage (LDES) is the linchpin of the energy transition, and ESS batteries are purpose-built to enable decarbonization.

Why should you choose ESS batteries?

That enables stacked revenue streams. Long-duration energy storage (LDES) is the linchpin of the energy transition, and ESS batteries are purpose-built to enable decarbonization. As the first commercial manufacturer of iron flow battery technology, ESS is delivering safe, sustainable, and flexible LDES around the world.

Are ESS batteries eco-friendly?

Ours are the greenest, lowest lifecycle cost energy storage systems you can buy. ESS batteries are comprised of earth-abundant iron, salt and water, not hazardous chemicals or costly rare-earth metals, making them environmentally benign to produce and the easiest-to-permit storage technology in the world.

Can ESS batteries be recycled?

Most components and materials required for ESS systems can be sourced domestically, and iron flow batteries contain one-third of the embodied CO<sub>2</sub> emissions of lithium-ion batteries. Thanks to their use of common components and earth-abundant materials, ESS products can be largely reused or recycled at the end of their life.

Is ESS a good alternative to lithium-ion?

In further contrast to lithium-ion, ESS's safe and sustainable iron flow technology is capable of unlimited cycling without capacity fade over a 25-year design life, delivering significant cost savings and revenue opportunities over the system's lifetime.



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 to 12 hours of flexible energy



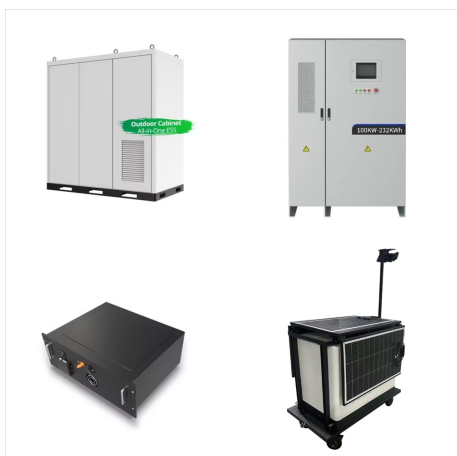
ESS iron flow batteries offer the lowest levelized cost of storage and a safe, sustainable chemistry using simple, earth-abundant materials for the electrolyte ??? just iron, salt and water. With proven installations in the field, ESS's energy storage solutions, backed by an industry-leading warranty, have a 25-year design



ESS was established in 2011 with a mission to accelerate decarbonization safely and sustainably through longer lasting energy storage. Using easy-to-source iron, salt, and water, ESS' iron flow technology enables energy security, reliability and resilience.



Oregon-based flow-battery developer ESS Inc. says it is learning from its existing deployment projects to scale up and modify its long-duration energy storage (LDES) technology to meet a wider variety of requirements.



While in Anaheim for RE+ last week, I met with Eric Dresselhuys, CEO of long duration iron-flow battery storage manufacturer ESS Inc. We chatted about battery fires, community buy-in, and the future of China policy. I came in expecting optimism and left feeling we need a lot more conversations like this one.



Long-duration energy storage (LDES) is the linchpin of the energy transition, and ESS batteries are purpose-built to enable decarbonization. As the first commercial manufacturer of iron flow battery technology, ESS is delivering safe, sustainable, and ???