News on energy storage

How long does energy storage take?
BloombergNEF reports that energy storage systems in the U.S. and Europe average around four hoursin duration,while that number decreases to two hours in China,which is the world's largest marketplace. BloombergNEF expects 71 GW/193 GWh of stationary energy storage to be deployed in 2025.

What's happening with energy storage in 2024?
The start of 2024 saw the Edwards & Sanborn project, featuring 3,287MWh of battery storage alongside 864MW of solar PV, come fully online. Image: Terra-Gen As we welcome the end of another exciting, if sometimes challenging year, here are the most-read news stories on Energy-Storage.news for 2024.

Which battery energy storage projects have been successful in Western Australia?
2.6GWhof utility-scale battery energy storage projects have been successful in Western Australia's first Capacity Investment Scheme tender. Energy storage developer Energy Vault is set to fully acquire the 125MW/1GWh Stoney Creek battery energy storage system (BESS) in New South Wales,Australia,from Enervest Group.

Why are stationary battery energy storage installations surging?
With expanding market opportunities and declining costsstationary battery energy storage installations are surging. Battery makers are awake to the opportunity,reports BloombergNEF,as stationary batteries account for an increasing amount of deployed capacity.

What's going on at the Energy Storage Summit Australia 2025?
NSW's BESS pipeline, PHES in Tasmania and the 'home of utility-scale storage' were discussed at the Energy Storage Summit Australia 2025. ESN Premium discusses the ongoing adaptation of EV battery lines to stationary storage applications with Jaehong Park, CEO of LG ES Vertech.

Did battery energy storage systems help the energy system recover?
Battery energy storage systems (BESS) from several firms helped the energy system recoverafter the NSL interconnector,which connects the UK and Norway,suddenly stopped exporting power to the UK.

"For the first time, we"ve shown that electrostatic energy storage capacitors are approaching the areal energy densities of electrochemical supercapacitors -- and even commercial lithium-ion microbatteries," said ...

ETN news is the leading magazine which covers latest energy storage news, renewable energy news, latest hydrogen news and much more. This magazine is published by ...

However, founder and CEO Oskari Jaakkola told Energy-Storage.news that falls in the prices of new lithium iron phosphate (LFP) batteries since then have changed this. 9. CATL unveils "five-year zero degradation" ...

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A blackout at an airport can have global ramifications. Image: Rawpixel . Developer On.Energy is deploying 39MWh of battery energy storage systems (BESS) at airports across Latin America (LATAM), Energy ...

The Department of Energy has identified the need for long-duration storage as an essential part of fully decarbonizing the electricity system, and, in 2021, set a goal that research, development ...

Global energy storage market: H1 2024 installation figures Policy mandates in China have driven the global energy storage market in the first half of 2024 to new highs, backed by the rapid growth in the US market. ...

Based on cost and energy density considerations, lithium iron phosphate batteries, a subset of lithium-ion batteries, are still the preferred choice for grid-scale storage. More energy-dense chemistries for lithium-ion batteries, ...

BloombergNEF reports that energy storage systems in the U.S. and Europe average around four hours in duration, while that number decreases to two hours in China, which is the world"s largest marketplace. ...

Energy storage solutions, including battery plants and long-duration storage systems, can make solar and wind energy available when it"s needed most. Donate Clean energy journalism for a cooler tomorrow

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One recent 16GWh BESS tender run by state-owned EPC firm China Power Construction Group saw bids averaging at US$66.3/kWh while another competitive solicitation from oil and gas firm PetroChina received bids ...

Energy-Storage.news proudly presents our sponsored webinar with NYSERDA on the New York"s journey to 6GW by 2030. South Australia: 477MWh Blyth Battery commissioned, optimiser appointed for 200MWh Mannum ...

Energy-Storage.news" publisher Solar Media will host the eighth annual Energy Storage Summit EU in London, 22-23 February 2023. This year it is moving to a larger venue, bringing together Europe"s leading investors, ...

Energy storage installations exceeded 12 GW in 2024 despite a 20% year-over-year drop in the fourth quarter, according to the latest Energy Storage Monitor. Kaua?i Island Utility Cooperative...

And because there can be hours and even days with no wind, for example, some energy storage devices must be able to store a large amount of electricity for a long time. A promising technology for performing that task is ...

News on energy storage

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A fork in the road for energy storage Faster-than-expected price falls and global oversupply of batteries will go up against a rising tide of global protectionism this year. So how ...

While US installations look poised to break a metaphorical 10GW ceiling this year for the first time, Europe already did in 2023, with 10.1GW of additions across all segments, according to an edition of the European Market ...

MITEI"s three-year Future of Energy Storage study explored the role that energy storage can play in fighting climate change and in the global adoption of clean energy grids. Replacing fossil fuel-based power generation with power ...

on April 10, 2025, EVE Energy showcased its full-scenario energy storage solutions and new 6.9MWh energy storage system at Energy Storage International Conference and ...

Battery electricity storage is a key technology in the world"s transition to a sustainable energy system. Battery systems can support a wide range of services needed for the transition, from providing frequency response, reserve capacity, black-start capability and other grid services, to storing power in electric vehicles, upgrading mini-grids and supporting "self-consumption" of ...

By Christopher Groves, Program Manager, Wärtsilä Energy Storage, and Scott Murtishaw, Executive Director, California Energy Storage Alliance o April 7, 2025 The Desert Photo via Getty Images

The MITEI report shows that energy storage makes deep decarbonization of reliable electric power systems affordable. "Fossil fuel power plant operators have traditionally responded to demand for electricity -- in any ...

The company shipped 6.9GWh of battery storage, including its Megapack utility-scale battery energy storage system (BESS) and Powerwall residential units in the quarter. This was about 30% less than the all-time-high ...

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The new technologies including gravity storage, liquid air storage, carbon dioxide storage have been developed as well, according to the NEA. Also, some provincial-level regions launched a new business model

to rev up the energy storage industry, allowing the energy storage investors to collect capacity rental fees from users using the grid.

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As we welcome the end of another exciting, if sometimes challenging year, here are the most-read news stories on Energy-Storage.news for 2024. One of the obvious takeaways of this list is that some very big lithium ...

Using liquid air for grid-scale energy storage. New research finds liquid air energy storage could be the lowest-cost option for ensuring a continuous power supply on a future ...

The Journal of Energy Storage focusses on all aspects of energy storage, in particular systems integration, electric grid integration, modelling and analysis, novel energy storage technologies, sizing and management strategies, business models for operation of storage systems and energy storage developments worldwide.

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