

JH Solar

Forced energy storage is bad news



Overview

Is excessive energy storage a problem?

Spyros Foteinis highlights the acknowledged problem that an insufficient capacity to store energy can result in generated renewable energy being wasted (Nature 632, 29; 2024). But the risks for power-system security of the converse problem — excessive energy storage — have been mostly overlooked.

Why is energy storage oversupply a problem?

The expansion is driven mainly by local governments and lacks coordination with new energy stations and the power grid. In some regions, a considerable storage oversupply could lead to conflicts in power-dispatch strategies across timescales and jurisdictions, increasing the risk of system instability and large-scale blackouts.

Is excessive energy storage a threat to China's power system?

But the risks for power-system security of the converse problem — excessive energy storage — have been mostly overlooked. China plans to install up to 180 million kilowatts of pumped-storage hydropower capacity by 2030. This is around 3.5 times the current capacity, and equivalent to 8 power plants the size of China's Three Gorges Dam.

What are the risks to the battery energy storage industry?

A new report from Clean Energy Associates highlights five potential risks to the battery energy storage industry, including risks to EV batteries, grid-scale storage, and home battery energy storage. 1) Antidumping / countervailing duty enforcement.

Could battery energy storage systems be included in a new tariff?

Clean Energy Associates said the proposed tariff levels are unknown, but could include battery energy storage systems. Clean Energy Associates sees

this as a moderate likelihood of occurring, with a moderate-to-high market risk, occurring in the first quarter of 2026 or later.

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Energy Storage Proposals Face Pushback from Some Communities

Energy storage projects are facing increasing scrutiny from local residents in parts of the U.S. Residents have voiced concerns about fires at energy storage facilities - in ...

Battery Energy Storage Systems Report

This information was prepared as an account of work sponsored by an agency of the U.S. Government. Neither the U.S. Government nor any agency thereof, nor any of their employees, ...



the pitfalls of forced energy storage

The Future of Energy Storage: Understanding Thermal Batteries In this video, uncover the science behind thermal batteries, from the workings of its components to the physics that ...



Forced Energy Storage: The Unavoidable Backbone of Renewable Energy

Why Grids Can't Escape Energy Storage Mandates in 2025 You know how people say

renewable energy is intermittent? Well, here's the kicker: 42% of global electricity grids now face ...



For energy storage fire safety, will perception ...

Exterior of Moss Landing Energy Storage Facility. The portion of the project which caught fire, MOSS300, was housed in the turbine hall building in the background, a design that has not been replicated ...

Analysts warn of looming risks to US battery ...

Clean Energy Associates said there is a moderate to high risk of this happening, with a highly negative impact on the market as soon as the second quarter of 2025.



Bravery in Bankruptcy: Energy Transition Will Revive Despite Recent Bad

These include plans for renewable energy power purchase agreements, but also on-site resiliency projects such as microgrids, combined heat and power, rooftop solar, energy ...

News Archives

Polaris Renewable Energy, on behalf of the Puerto Rico Electric Power Authority (PREPA), has submitted a battery energy storage system (BESS) standard offer (SO1) agreement to the Puerto Rico Energy ...

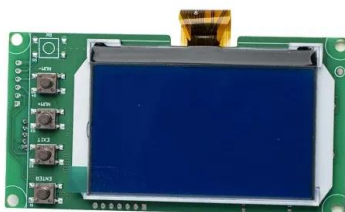


Energy storage overcapacity can cause power ...

But the risks for power-system security of the converse problem -- excessive energy storage -- have been mostly overlooked. China plans to install up to 180 million kilowatts of pumped-storage

Principle of Forced Energy Storage Device

What is energy storage? Energy Storage explains the underlying scientific and engineering fundamentals of all major energy storage methods. These include the storage of energy as ...



Forced energy storage is bad news

"The Future of Energy Storage," a new multidisciplinary report from the MIT Energy Initiative (MITEI), urges government investment in sophisticated analytical tools for planning, operation, ...

Unpacking All The Bad News About Renewable Energy & Energy ...

The Intertubes are all abuzz over a spate of bad news about renewable energy and energy storage. Nevertheless, the fact is that renewable energy and energy storage are ...

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RECHARGEABLE BATTERY Li-ion
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China's Energy Storage Giants Face a Hard Reset

The U.S. has imposed steep tariffs on Chinese battery energy storage systems. Overproduction and a brutal domestic price war have slashed profits and forced major ...

New Yorkers revolt against 'toxic' new neighborhood battery storage

It's the new not-in-my-backyard rage - and the latest blow to New York's green energy agenda. New Yorkers are lining up in opposition to dozens of new lithium-ion battery ...



Energy Storage News , Today's latest by ...

Latest news on energy storage projects, BESS, capacity expansion, and regulatory updates across Europe, US & Canada, Latin America, and Asia Pacific. Discover how energy storage solutions support renewable energy ...

How the Forced Energy Transition and Reliance on ...

This Special Report documents how costly green policies will make America dependent on China and harm American energy, economic, and national security. The U.S. is currently one of the world's



To Strive forward No Energy Waste



- ✓ All in one
- ✓ 100-215kWh High-capacity
- ✓ Intelligent Integration

Shell, Equinor, Uniper & the Global Energy Storage Problem

As the Global Energy Storage and Grids Pledge session begins at COP29, we look at the promise, problems and R& D of renewable energy storage globally Wind, solar, tidal, ...

Resources Archive

The Energy Storage Report is now available to download. In it, you'll find the best of our content from Energy-Storage.news Premium and PV Tech Power, as well as new articles covering deployments, ...

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Advanced forced energy storage

Advanced materials and technologies for supercapacitors used in energy conversion and storage... Supercapacitors are increasingly used for energy conversion and storage systems in ...

Trump policy risks to battery energy storage industry

On Jan. 20, 2025, Donald Trump will be inaugurated president of the United States and analysts are predicting his administration will make sweeping changes to the clean energy landscape. A ...

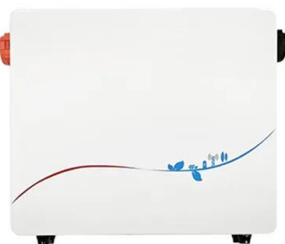


'Bad for energy transition': Reaction to US

The tariffs are the 'stick' for boosting and protecting the US' clean energy industry, with the Inflation Reduction Act containing numerous 'carrots' in the form of tax breaks, subsidies and grants. Image: White ...

The Energy Storage Fiasco -- How Soon Will It Be Abandoned?

Multiple years into the project, neither state is anywhere near to building 1% of the energy storage that would be needed to make their fantasy systems work. But even in ...



Local opposition, not the new administration, is

If we don't, we risk holding back the growth of the US BESS industry and derailing the renewable energy transition. Over the last few years, many local communities ...

CATL denies forced labour claims, US lawmakers calls to block firm

US lawmakers have accused CATL and Gotion of forced labour in supply chains and called for a block on imports, a claim the companies deny.



After a High-Profile Fire, Battery Energy Storage ...

A clean-energy trade group's report offers safety guidelines for battery energy storage systems following a fire at one of the largest battery storage plants.

Storage takes center stage in China's green energy transition

Energy storage is gaining significant attention in China, with over 170,000 visitors expected at a Shanghai convention to explore various battery technologies.



Energy Storage

Portland General Electric (PGE) has brought online three new utility-scale battery energy storage systems (BESS), adding 475 MW and over 1.9 GWh of dispatchable capacity to the Portland metro area.

States and counties weigh safety risks of much ...

Speaking at a public meeting in December, Josh Adams, a fire expert affiliated with clean energy developer NextEra Energy, called the rules a "de facto moratorium" that was overly broad.



Forced Energy Storage: The Unavoidable Backbone of ...

You know how people say renewable energy is intermittent? Well, here's the kicker: 42% of global electricity grids now face curtailment issues during peak renewable generation hours [3]. ...

Forced Energy Choices

Our best energy solutions are conservation and renewable energy sources like wind and solar. They could compete for our baseload energy needs if our government subsidized, stimulated, ...



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