
Lithium-ion batteries have powered most of the storage revolution to date. They dominate everything from home storage units to massive utility-scale projects, thanks to ...

New research emphasizes the importance of well-validated models and forecasting tools in evaluating choices for investments in clean energy technologies and ...

Battery storage in California has grown more than 3,000% since 2020. For decades, rolling blackouts and urgent calls for energy conservation were part of life in ...

Liquid air energy storage could be the lowest-cost solution for ensuring a reliable power supply on a future grid dominated by carbon-free yet intermittent energy sources, ...

Currently, Texas and California lead on battery storage deployment, but other states are poised for significant growth as well. "Now more than ever, we have the ability to harness ...

Explore the future of energy storage systems and the top battery technology trends for 2025 shaping sustainability, efficiency, and power resilience.

A decade ago, large-scale battery storage was considered the mythical Holy Grail to solving renewable energy"s intermittency woes with ...

The MIT Energy Initiative& #039;s annual research spring symposium explored artificial intelligence as both a problem and solution for the clean energy transition.

Unlocking its secrets could thus enable advances in efficient energy production, electronics cooling, water desalination, medical diagnostics, and more. "Boiling is important for ...

Nearly 17,000 megawatts of battery storage are powering and supporting a cleaner, more reliable grid while proving that climate action and affordable, reliable energy go ...

MIT engineers developed a membrane that filters the components of crude oil by their molecular size, an advance that could dramatically reduce the amount of energy needed ...

A decade ago, large-scale battery storage was considered the mythical Holy Grail to solving renewable energy"s intermittency woes with sunshine and wind. The early pilot projects ...

Explore how battery storage and grid stability are shaping tomorrow"s energy system - and why it matters now. Learn more in this expert explainer.

As MIT"s first vice president for energy and climate, Evelyn Wang is working to broaden MIT"s research portfolio, scale up existing innovations, seek new breakthroughs, and ...

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