

Can energy storage projects still be done





Overview

How can energy storage be more affordable?

While battery technologies available today have their limitations, ongoing advances in next-generation batteries, hydrogen storage, and supercapacitors are paving the way for more efficient and sustainable technologies. In tandem, strong policy and global collaboration are vital in scaling up energy storage and making it more affordable.

Should energy storage be removed from energy grid connection?

For energy storage, the new Chinese policy emphasized the need to remove energy storage as a prerequisite for renewable energy project grid connection, a requirement that has been a major driver for battery build. Nonetheless, BNEF still expects strong demand for batteries, as the policy doesn't explicitly require mandates to stop.

Is energy storage sustainable?

However, challenges to energy storage sustainability still exist. Many solutions depend on critical raw materials such as lithium, cobalt, and rare metals, raising concerns about ethical sourcing, supply chain issues, and environmental impact.

Why is energy storage important?

A crucial factor motivating these safety improvements — and the broader focus on developing energy storage solutions more generally — has been the realization that energy storage is a necessary component in scaling up clean energy solutions to power society.



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