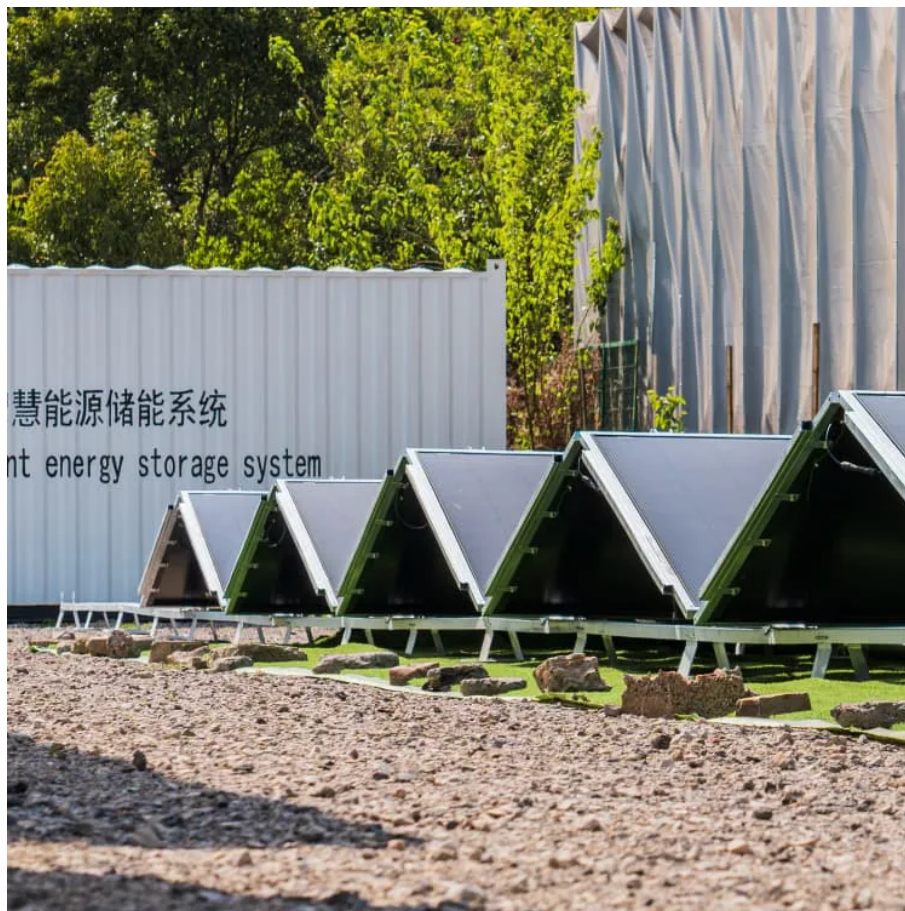


Energy storage grid investment





Overview

Why is energy storage important?

Continued expansion of intermittent renewable energy, ESG-focused investments, the growing versatility of storage technologies to provide grid and customer services, and declining costs for key components like lithium-ion batteries all played a significant role in driving the investment and development of energy storage.

What is grid-scale storage?

Grid-scale storage refers to technologies connected to the power grid that can store energy and then supply it back to the grid at a more advantageous time – for example, at night, when no solar power is available, or during a weather event that disrupts electricity generation.

Is energy storage a critical asset?

Layer in heightened demand from broad electrification and data centers (especially AI workloads that run 24/7, which is expected to quadruple by 2030), and energy storage is now seen as a critical asset. Its investment thesis breaks down into two interconnected waves: The first is the buildout of grid-scale batteries.

How much money is invested in battery energy storage in 2022?

Global investment in battery energy storage exceeded USD 20 billion in 2022, predominantly in grid-scale deployment, which represented more than 65% of total spending in 2022.



Energy storage grid investment

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