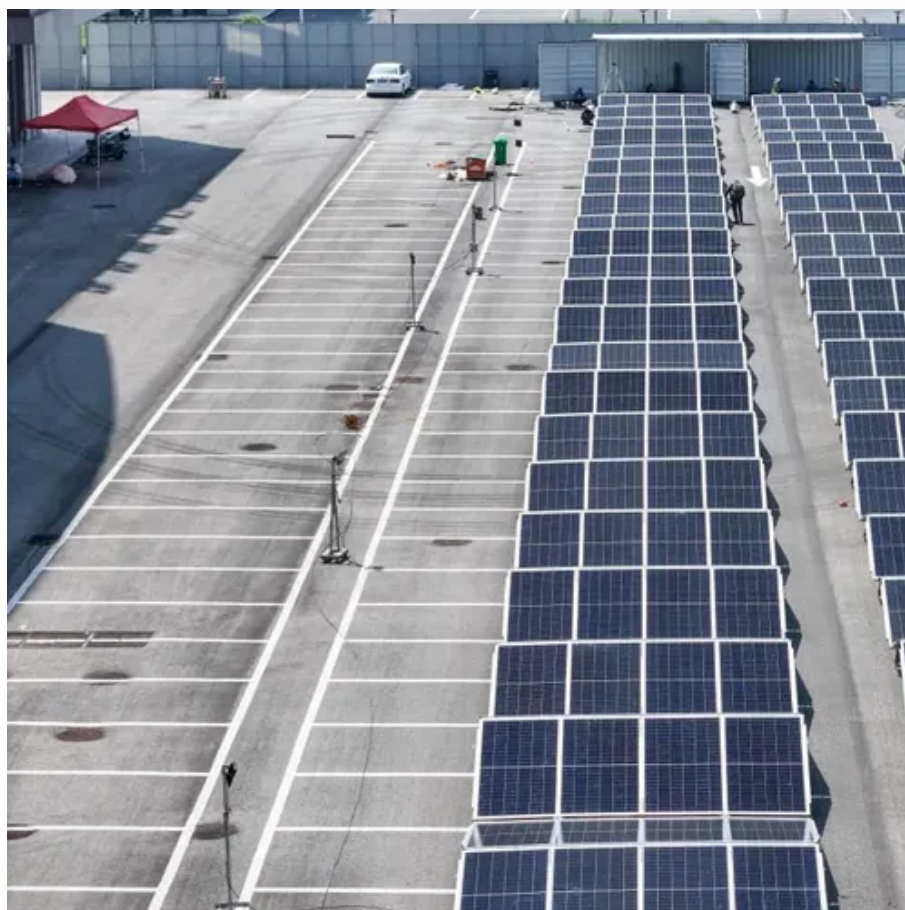




What s new about the new energy storage system





Overview

After a historic 2025, when global BESS capacity surpassed 250 GW and overtook pumped hydropower, momentum is set to accelerate in 2026. Key markets are expanding, emerging regions are stepping into the spotlight, and battery storage is increasingly replacing gas generation. Energy storage is expected to play a significant role in enabling the global data centre build-out, although the commercial and financing models developers will use are evolving, Energy-Storage. Support CleanTechnica's work through a Substack subscription or on Stripe. Despite the abrupt. From iron-air batteries to molten salt storage, a new wave of energy storage innovation is unlocking long-duration, low-cost resilience for tomorrow's grid. In response to rising demand and the challenges renewables have added to grid balancing efforts, the power industry has seen an uptick in. Clean technologies already work at scale and are cost-competitive; the core challenge now is integrating them across power, industry, transport and digital infrastructure to keep energy reliable, affordable and secure.



What's new about the new energy storage system



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Here are ten notable innovations taking place across different energy storage segments, as highlighted in GlobalData's Emerging Energy Storage Technologies report.



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Global demand for energy storage is surging. Lithium-ion leads today, but new contenders like sodium-ion, flow, and gravity systems are shaping the future grid.

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Comprehensive guide to renewable energy storage technologies, costs, benefits, and applications. Compare battery, mechanical, and thermal storage systems for 2025.



[Tesla unveils Megablock and Megapack 3: more power and energy ...](#)

Tesla has unveiled two new energy storage products: Megapack 3, the latest generation of its utility-scale energy storage system, and Megablock, which integrates Megapack 3 with



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The next stage of the energy transition is system-led, aligning renewables, power grids, industry, and data to drive down costs and unlock cross-sector scale.



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Let's cut to the chase--new energy storage isn't just some tech buzzword anymore. With China's installed capacity hitting 73.76GW by late 2024 (that's 20 times higher than 2020 levels!), ...





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