



# Large-scale high-capacity energy storage projects

Of the 1,643 operational energy storage projects worldwide, 49% are located in the U.S., with another 131 projects under construction. 10 California leads U.S. capacity with 15.5 GW, followed by Texas. 8

Tesla's new Megapack 3 and Megablock solutions promise to revolutionize utility-scale energy storage by boosting capacity to 5 MWh per unit, slashing soft costs, and enabling 1 GWh ...

As renewable energy adoption skyrockets, the world's top 10 large energy storage sites are becoming the backbone of our decarbonized future. From Saudi Arabia's desert innovations to ...

Quidnet Energy, ENBW, and Peak Energy have energy storage projects in the works in the U.S. and Europe. A Texas startup has completed a key test for its long-duration geomechanical ...

Once built, DCEP will be the largest battery energy storage system in the world, highlighting California's leadership in clean energy innovation and infrastructure.

From the UK to the UEA and USA to Australia, Energy Digital Magazine runs through 10 of the most impressive energy storage projects worldwide. Energy storage plays a pivotal role in the ...

LPO can finance short and long duration energy storage projects to increase flexibility, stability, resilience, and reliability on a renewables-heavy grid.

Discover the world's biggest battery storage projects of 2025, including BYD's 12.5 GWh system in Saudi Arabia, Grenergy's 11 GWh Atacama project, and more shaping the global energy transition.

Discover how large-scale energy storage systems boost grid flexibility, enable renewables, and power a cleaner, reliable future.

Following similar pieces in 2022/23, we look at the biggest energy storage projects, lithium and non-lithium, that we've reported on in 2024.



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