



# Solar energy storage configuration in the United States

Will residential solar systems include battery storage?

The U.S. Energy Information Administration (EIA) and Wood Mackenzie forecast that by 2030, nearly 25% of all residential solar systems will include battery storage. Factors fueling this shift include: As a result, the residential ESS market is not only expanding--it's diversifying. There will be demand for:

Which states have installed utility-scale storage in the United States?

The installation of utility-scale storage in the United States has primarily been concentrated in California and Texas due to supportive state policies and significant solar and wind capacity that the storage resources will support. By Q3 2024, Texas had installed 2,283 MWh of storage capacity, while California had installed 5,992 MWh of capacity.

What is the largest solar project in the United States?

With a planned photovoltaic capacity of 690 megawatts (MW) and battery storage of 380 MW, it is expected to be the largest solar project in the United States when fully operational. Battery storage. We also expect battery storage to set a record for annual capacity additions in 2024.

How much solar power does a company have in 2024?

Through Q1 2024, the top corporate solar users in America have installed nearly 40 GW of solar capacity, along with over 1.8 GWh of battery storage. Other key takeaways:

Solar energy in the United States is booming. Along with our partners at Wood Mackenzie Power & Renewables, SEIA tracks trends and trajectories in the solar industry that demonstrate the diverse ...

The following resources provide information on a broad range of storage technologies.

Berkeley Lab collects, cleans, and publishes project-level data on distributed\* solar and distributed solar+storage systems in the United States. The data are compiled from a variety of ...

Energy storage resources have become an increasingly important component of the energy mix as traditional fossil fuel baseload energy resources transition to renewable energy ...

In the United States, there's a growing momentum towards clean energy goals, with 23 states, along with the District of Columbia and Puerto Rico, having established goals for achieving ...

The U.S. energy storage industry installed a record-shattering 57.6 gigawatt-hours (GWh) of new capacity in 2025, the largest single year of new battery capacity additions on record. Despite ...

The solar + storage adoption rate by region offers a compelling lens through which to identify where residential battery storage is gaining the most traction--and why.



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An overview of Energy Storage Targets across 50 U.S. States, with state-by-state policy progress, key resources, and model rules.

According to data released by the US Energy Information Administration (EIA) in January 2025, utility-scale battery energy storage capacity in the United States grew 66% in 2024, exceeding ...

More than half of the new utility-scale solar capacity is planned for three states: Texas (35%), California (10%), and Florida (6%). Outside of these states, the Gemini solar facility in Nevada ...

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