



The largest residential solar energy storage in the United States





Overview

04 Feb 2026 14:48 | San Francisco (USA) - Sunrun, the largest provider of residential battery storage, solar, and home-to-grid systems in the United States, significantly expanded its distributed energy storage assets in 2025. With over 54 GW of solar installed, enough energy to power over 15 million homes. Ranking 2nd in the nation, Texas has 48.2 GW installed and is expected to continue to grow. We expect 63 gigawatts (GW) of new utility-scale electric-generating capacity to be added to the U. power grid in 2025 in our latest Preliminary Monthly Electric Generator Inventory report. This amount represents an almost 30% increase from 2024 when 48. [2] As of the end of 2024, the United States had 239 gigawatts (GW) of installed photovoltaic. With a record-breaking 346 MW of residential storage built in Q3 2024 — a 63% increase over the previous quarter — the residential energy storage market has reached an all-time high.



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[Who are the top 5 US storage companies by operating capacity?](#)

First let's look at the top 5 US companies by operating storage capacity: 1. NextEra Energy Resources. Recent highlights: The company has been particularly active in recent months, ...

Solar State By State - SEIA

With over 54 GW of solar installed, enough energy to power over 15 million homes. Texas has the fastest growing solar economy with the largest utility-scale solar and energy storage projects in the ...



Solar power in the United States

Overview
Government support
Solar potential
History
Solar photovoltaic power
Concentrated solar power (CSP)
See also
Further reading

A complete list of incentives is maintained at the Database of State Incentives for Renewable Energy (DSIRE). Most solar power systems are grid connected and use net metering laws to receive compensation for electricity that is not consumed on site and exported to the grid. New Jersey leads the nation with the least restrictive net metering law, and California leads in total number of homes which have solar panels installed...

Solar power in the United States



Solar energy deployment increased at a record pace in the United States and throughout the world in 2008, according to industry reports. The Solar Energy Industries Association's "2008 U.S. Solar ...



[U.S. Residential Energy Storage Installations Reach a Record High](#)

According to the latest U.S. Energy Storage Monitor report by American Clean Power Association (ACP) and Wood Mackenzie, installations of both grid-scale and residential energy ...



Residential solar market in the U.S.

Of the total solar capacity installed in the U.S., over 26 percent corresponds to residential installations. This segment has grown in recent years, reaching some 4.7 million installations



[Residential Energy Storage Installations Hit All-Time High in USA](#)

With a record-breaking 346 MW of residential storage built in Q3 2024 -- a 63% increase over the previous quarter -- the residential energy storage market has reached an all-time high.



[Solar, battery storage to lead new U.S. generating capacity additions](#)



This amount represents an almost 30% increase from 2024 when 48.6 GW of capacity was installed, the largest capacity installation in a single year since 2002. Together, solar and battery ...



[Booming U.S. energy storage installation grows 90% year-over-year](#)

Across all segments, the U.S. energy storage industry deployed 8.7 GW, a record-breaking growth of 90% year-over-year. The nation deployed 4.2 GW in Q4, 2023, and California and ...

[US Energy Storage Market Size & Industry Trends 2031](#)

Residential installations rose 42% year over year in 2025, with California, Texas, and Arizona responsible for 68% of those additions. Tesla's Powerwall 3, featuring 13.5 kWh usable ...





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