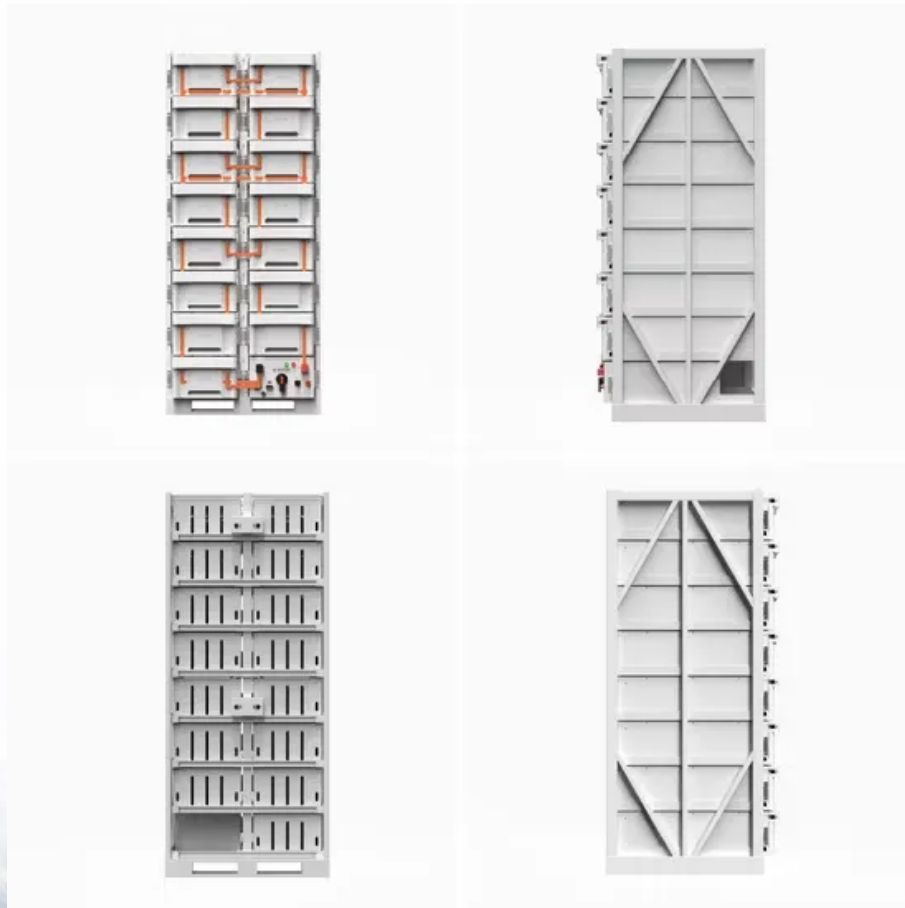


## Ranking of installed energy storage capacity in the united states



## Overview

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The data shows that California leads energy storage availability by a wide margin, with just over 7.3 GW (7,302 MW) of battery capacity installed. Texas follows in second with nearly 3.2 GW (3,167 MW) installed, while Arizona, Florida, and Massachusetts are next in the lineup.

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This battery storage update includes summary data and visualizations on the capacity of large-scale battery storage systems by region and ownership type, battery storage co-located systems, applications served by battery storage, battery storage installation costs, and small-scale battery storage.

Owing to the energy storage incentives introduced by the Inflation Reduction Act (IRA), annual energy storage capacity additions in the U.S. have reached 9.3 gigawatts in 2023, of which approximately 90 percent in grid-scale installations. Batteries and pumped hydro are the main storage.

U.S. battery storage capacity has been growing since 2021 and could increase by 89% by the end of 2024 if developers bring all of the energy storage systems they have planned on line by their intended commercial operation dates. Developers currently plan to expand U.S. battery capacity to more than.

California was the leading state in terms of operative large-scale battery storage in the United States, with a capacity of eight gigawatts. Texas followed, with 3.8 gigawatts of battery storage operable at the time. Get notified via email when this statistic is updated. \* For commercial use only.

HOUSTON/WASHINGTON, June 18, 2024 – The U.S. energy storage market set a first-quarter record for capacity installed in Q1 2024, with 1,265 megawatts (MW) deployed across all segments. This marks the highest storage capacity ever installed in a first quarter in the U.S., representing an 84%.

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## Ranking of installed energy storage capacity in the united states



### U.S. battery capacity increased 66% in 2024

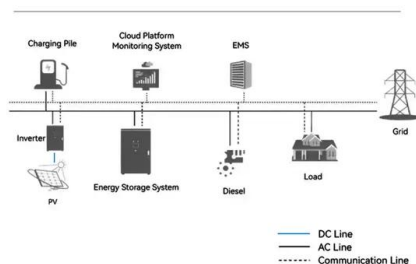
Generators added 10.4 GW of new battery storage capacity in 2024, the second-largest generating capacity addition after solar. Even though battery storage capacity is ...

### H2 2020 Solar Industry Update

U.S. PV Deployment In 2020, PV represented approximately 40% of new U.S. electric generation capacity, compared to 4% in 2010. Over 30 GWAC of renewable energy and storage capacity ...



#### System Topology



### These 10 U.S. states have the most battery storage ...

As of November 2023, two U.S. states have installed substantially more energy storage systems than others, making up the vast majority of ...

## United States energy storage industry

Batteries and pumped hydro are the main storage technologies in use in the U.S., according to the number of storage projects in the country in 2023.



## Battery Storage in the United States: An Update on Market ...

Energy storage plays a pivotal role in enabling power grids to function with more flexibility and resilience. In this report, we provide data on trends in battery storage capacity ...



## U.S. battery storage capacity expected to nearly ...

Two states with rapidly growing wind and solar generating fleets account for the bulk of the capacity additions. California has the most installed ...



## U.S. battery storage capacity by state, Statista

Installed cumulative capacity of large-scale battery storage systems operational in the United States as of 2023, by state (in megawatts)

## Nearly 14GWh of grid-scale BESS installed globally in ...

There is now 150GW/348GWh of globally installed capacity, according to the database, which focuses on grid-scale battery energy storage ...



## Solar, battery storage to lead new U.S. generating capacity

...

We expect 63 gigawatts (GW) of new utility-scale electric-generating capacity to be added to the U.S. power grid in 2025 in our latest Preliminary Monthly Electric Generator ...

## REPORT: Energy Storage's Meteoric Rise Breaks Another Record

Texas and California continue to lead the market, with 61% of the total installed capacity in Q4, while the remaining 39% was installed across 13 states, expanding storage ...



## A record third quarter for U.S. clean energy installations

In total, the United States has now installed 294 GW of clean power capacity, or roughly the equivalent demand of 72 million American ...

## 2023 Development Status of Residential Energy ...

The Energy Storage Association of the United States believes that by 2025, the installed capacity of energy storage systems deployed in the ...



## Anticipating a Surge: Global New Installations in 2024 ...

TrendForce predicts that the new installed capacity of energy storage in the United States is projected to reach 13.7GW/43.4GWh in 2024, ...

## Ranking the Top Four Battery Storage World Powers

The United States saw its total battery storage capacity, including operational and planned, reach some 16 GW at the end of last year, per data from the Energy Information ...



## 2025 Energy Storage Installed Capacity Ranking: Who's Leading ...

Let's face it--energy storage isn't exactly the sexiest topic at your average dinner party. But in 2025, it's become the Swiss Army knife of the clean energy revolution. With ...



## US States ranked by installed battery capacity

Hawaii has 1.6% of the total US battery capacity. New Mexico, Colorado, Oregon, and Massachusetts round out the top ten and then all other states are less than 1% each. In fact, ...



## Battery energy storage in the United States to hit 140 ...

Modo Energy Share Battery energy storage in the United States to hit 140 GW by 2030? Executive Summary U.S. battery energy storage capacity has grown ...

## Solar State By State - SEIA

Explore the State Solar Map key stats Quick Solar Facts 255.4 gigawatts of total solar capacity is installed nationwide 279,447 Americans working in the solar and storage industry 5,693,325 ...



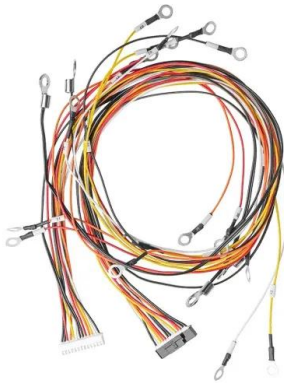
## Hydropower Market Reports

The United States currently has 43 PSH plants with an estimated energy storage capacity of 553 gigawatt-hours. These plants accounted for 96% of utility-scale ...



## Top US states for solar deployment in 2023

In 2023, every segment of solar in the United States recorded year-on-year growth in installations. Cumulative solar capacity stood at 177 GW by the end of the year, and ...



## Which are the top 20 countries for battery energy ...

Within Europe, the UK has by far the largest installed capacity with 7.5 GWh. Other notable markets include Australia and Chile, which in ...

## U.S. Hydropower Market Report

The United States has 43 PSH plants with a combined capacity of 22 GW and an estimated energy storage capacity of 553 GWh.<sup>3</sup> Installed PSH capacity (22 GW) represented 70 percent ...



## Electricity generation, capacity, and sales in the United States

The U.S. Energy Information Administration (EIA) publishes data on two general types of electricity generation and electricity generation-capacity: Utility scale includes ...

## U.S. Storage technology providers ranked by capacity

...

LG Chem was the leading energy storage technology provider in the United States in 2020, based on commissioned storage capacity, with ...



## United States energy storage industry

The energy storage sector in the United States has been thriving in the past years, with several applications to improve the performance of the electricity grid, from ...

## US energy storage sees 'first year of double-digit ...

According to the Q1 2025 US Energy Storage Monitor from Wood Mackenzie and the ACP, energy storage installations surpassed 12GW ...

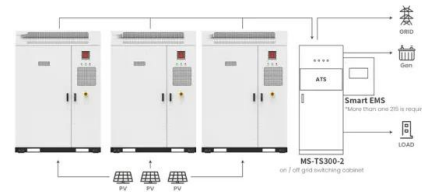


## Ranking of installed energy storage capacity

Energy Storage Installed Capacity in 2023. In the first half of 2023, the United States saw significant growth in its utility energy storage capacity and reserves: According to S&P Global" ...

## Summary of Global Energy Storage Market Tracking (Q2 2023)

Figure 2: Cumulative installed capacity of new energy storage projects commissioned in China (as of the end of June 2023) In the first half of 2023, China's new ...



Application scenarios of energy storage battery products

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