



# US Power Plant Energy Storage Project





## Overview

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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 Inventory report. This amount represents an almost 30% increase from 2024 when 48.6 GW of capacity was installed, the largest.

US developers of large-scale battery storage stations have 18.7 GW of new capacity under construction, according to S&P Global Energy Market Intelligence data, indicating another strong year for the grid's electrochemical shock absorbers. Capacity under construction has grown by a net 4.5 GW since.

The Darden Battery Energy Storage System (BESS) is set to become the largest battery storage project in the US once completed. Developed by IP Darden I, LLC, a subsidiary of Intersect Power, the project integrates a 1,150 MW solar photovoltaic facility with 1,150 MW / 4,600 MWh of storage capacity.

The future of energy generation in the United States is set to undergo a significant transformation, with solar power and battery storage leading the charge. In 2025, the U.S. is projected to construct an unprecedented 63 gigawatts of new power plant capacity, marking a pivotal moment for clean.



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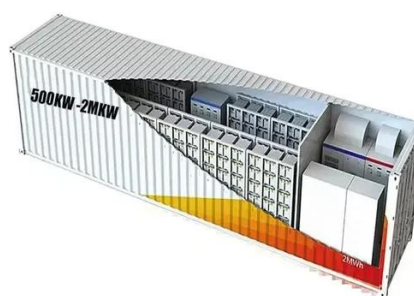


### Solar, battery storage to lead new U.S. generating capacity ...

In 2025, capacity growth from battery storage could set a record as we expect 18.2 GW of utility-scale battery storage to be added to the grid. U.S. battery storage already achieved record ...

### GridStor, Flatiron Energy, and Jupiter Power advance US BESS projects

Three US battery energy storage system (BESS) developers, GridStor, Flatiron, and Jupiter Power, have advanced BESS projects totalling 1.6GWh across Arizona, ...



### US battery storage boom extends into 2025; nearly 19 GW under

More than 80 battery peakers with power storage capacities of at least 100 MW are under construction, the largest of which is AES Corp.'s 700-MW Rexford 1 Battery Storage ...

### [Top five energy storage projects in the US](#)

Listed below are the five largest energy storage projects by capacity in the US, according to GlobalData's power database. GlobalData uses

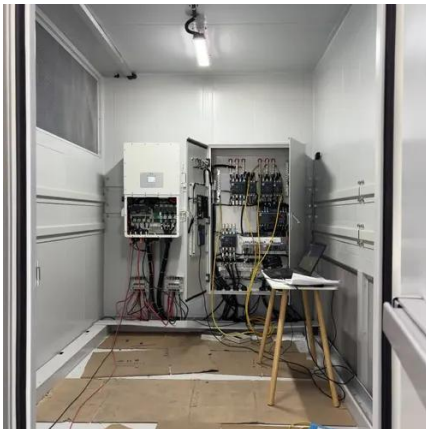


proprietary data and analytics to ...



## Solar and batteries dominate US power plant construction in 2025

As we delve into the details of this energy landscape, we'll explore how solar and battery technologies are reshaping the U.S. power grid and contributing to a more sustainable ...



## U.S. Energy Storage Industry Commits \$100 Billion Investment in

The U.S. energy storage industry is committed to investing \$100 billion in American grid batteries, including both capital for building new battery manufacturing facilities and ...



## The US's largest solar + storage project just hit a big milestone

AES just completed the first half of Bellefield, which will become the largest solar + storage facility in the US. The 1,000-megawatt (MW) Bellefield 1 project in Kern County, ...

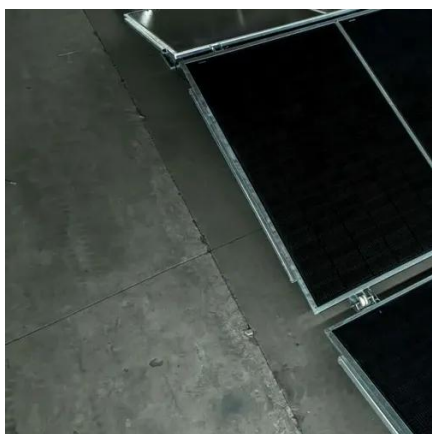






## Top 7 Battery Energy Storage System (BESS) Projects in the ...

Discover the largest battery storage projects in the U.S. for 2025, including Darden, Bellefield, and Swiftsure.



## The story of US energy storage

As of February, 12 US states have energy storage targets, the largest of which is in New York, which has a goal of 6 GW by 2030. In mid-2024, lawmakers in Rhode Island ...

## U.S. Grid Energy Storage Factsheet

The U.S. has 431 operational battery energy storage projects, 8 using lead-acid, lithium-ion, nickel-based, sodium-based, and flow batteries. 10 These projects totaled 27 GW of rated ...





## Contact Us

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