

# Distributed Energy Storage in 2025

## Utility-Scale ESS solutions



## Overview

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Globally, annual energy storage deployment (excluding pumped hydropower plants) is set to hit another all-time high at 92 gigawatts (247 gigawatt-hours) in 2025 - 23% higher than in 2024. China accounts for over 50% of the annual build in gigawatts, followed by the US at 14%. Annual deployments are also set to scale in Germany, the UK, Australia, Canada, Saudi Arabia and Sub-Saharan Africa, driven. According to the report 5. Image: Wood Mackenzie

According to the Q4 2025 US Energy Storage Monitor from Wood Mackenzie Power & Renewables and the American Clean Power Association. While this document is believed to contain correct information, neither the United States Government nor any agency thereof, nor The Regents of the University of California, nor any of their employees, makes any warranty, express or implied, or assumes any legal responsibility for the accuracy. The Smart Electric Power Alliance and NC Clean Energy Technology Center's latest report reveals a surge in Virtual Power Plant activity, with 35 states moving forward on policy and regulation as the industry shifts toward more holistic, multi-technology aggregation. grid grapples with. Raleigh, NC - (Janu) The NC Clean Energy Technology Center (NCCETC) released its 2025 annual review and Q4 2025 update edition of The 50 States of Grid Modernization. The quarterly series provides insights on state regulatory and legislative discussions and actions on grid. Strong growth in the United Kingdom is highlighted, driven by the contribution of SP Electricity North West. Installed capacity reaches 58,343 MW (+3. 2%), with significant growth in wind power and storage. The energy distributed by Iberdrola worldwide during the 2025 financial year increased by.

## Distributed Energy Storage in 2025

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Support Customized Product



### Distributed Energy Resources Are Transforming the Electric Grid

Distributed energy resources (DERs) are modular technologies--such as batteries, rooftop solar panels, and smart appliances--that generate or store energy on site at homes, businesses, and ...

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### Iberdrola's distributed electricity grew by 7.5% in 2025 due to higher

The energy distributed by Iberdrola worldwide during the 2025 financial year increased by 7.5% to a record 255,976 gigawatt-hours (GWh), driven by the United Kingdom (+52.2%, which already includes the ...

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### U.S. Distributed Solar and Storage

For the purpose of this data summary, "distributed" PV systems consist of all residential systems, roof-mounted non-residential systems, and ground-mounted non-residential systems up to 7 MWDC, regardless of project ...

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## 2025 US energy storage installations surpassed 2024 capacity

According to the Q4 2025 US Energy Storage Monitor from Wood Mackenzie and ACP, 2025 energy storage installations surpassed 2024 capacity.

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## The 12 Days of Distributed Generation: Wrapping Up 2025's Energy

From record-breaking solar milestones to policy twists and rising demand, explore the top trends shaping distributed energy in 2025--and what's next for 2026. Packed with insights (and holiday puns), this ...

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## States and utilities took 106 actions to advance VPPs in 2025: SEPA

The Smart Electric Power Alliance and NC Clean Energy Technology Center's latest report reveals a surge in Virtual Power Plant activity, with 35 states moving forward on policy and regulation as the industry ...

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## The 50 States of Grid Modernization: States Leverage Distributed Energy

"Policymakers in several states have implemented state-led procurement processes for energy storage, while utilities are planning for large amounts of storage capacity in their IRPs, seeking new storage ...

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

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 growth in 2024 when power ...

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## Global Energy Storage Boom:



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### ENERGY STORAGE SYSTEM

**Product Model**  
HJ-ESS-215A(100KW/215KWh)  
HJ-ESS-115A(50KW/115KWh)

**Dimensions**  
1600\*1280\*2200mm  
1600\*1200\*2000mm

**Rated Battery Capacity**  
215KWH/115KWH

**Battery Cooling Method**  
Air Cooled/Liquid Cooled



## Three Things to Know

Global energy storage additions are on track to set another record in 2025 with the two largest markets - China and US - overcoming adverse policy shifts and tariff turmoil.

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## Energy Storage in 2025: What's Hot and What's Next?

These advancements are vital in industries such as manufacturing, services, renewable sources, and portable electronics. So read on and dive deep into the dynamic world of 2025 energy storage.



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