European energy storage battery usage distribution

Overview

1 GWh of battery storage in 2025—up 45% year-on-year—with utility-scale deployments (15 GWh) surpassing residential (9. EU member states added 27. 1 GWh of new battery. 27. 1 GWh of new battery capacity installed in 2025, marking the EU's 12th consecutive record year for battery storage deployment. Residential installations declined by 6%. Pumped hydro is the most widely used technology for energy storage in Europe and worldwide, but batteries and hydrogen have come into the spotlight over the last decade as a recent trend in the energy storage market. However, despite an exponential growth in Europe's battery energy storage. Utility-scale installations now represent more than half of new capacity in a significant market shift, while residential storage, long the main growth driver, declined due to lower electricity prices and reduced support schemes, a new report from SolarPower Europe finds.

European energy storage battery usage distribution

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European Union battery storage market entered

European Union (EU) countries deployed record-breaking battery storage capacity for the 12 th consecutive year in 2025 but must accelerate deployment further still to meet clean energy goals.

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EU installs 27.1 GWh of battery storage in 2025 as utility-scale

The EU's battery energy storage fleet has grown for the 12th consecutive year, marking yet another record year for new installations. According to a new report from SolarPower Europe ...

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EU battery storage additions hit 27.1 GWh in 2025, Germany leads

The EU installed a record-breaking 27.1 GWh of new battery energy storage system (BESS) capacity in 2025, with Germany and Italy topping the chart again, while Bulgaria emerged as ...

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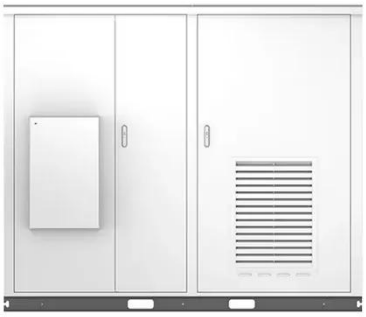

Executive summary - Batteries and Secure Energy Transitions - ...

Executive summary Batteries are an essential part of the global energy system today and the fastest growing energy technology on the market Battery storage in the power sector was the fastest ...

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European Energy Storage Inventory , JRC SES

This section outlines key EU projects, initiatives, and market trends in energy storage, highlighting efforts to integrate renewables, enhance grid stability, and support the clean energy transition.

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A new interactive platform--the European Energy Storage Inventory --has been launched to provide near real-time

insights into energy storage deployment across the EU, marking a ...

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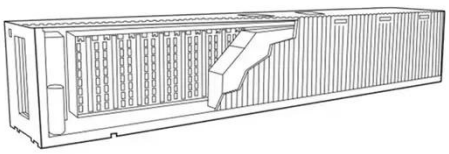
New tool maps Europe's real-time sustainable energy storage data

It offers near real-time data on the deployment of storage facilities across Europe, including an interactive dashboard and map, and identifies all the technologies, from battery storage ...



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EU Battery Storage Capacity Soars 45% to 27.1 GWh in 2025

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New report: EU installs 27.1 GWh of new batteries in 2025 as utility

The EU must create the right conditions to foster battery deployment, by improving permitting, fixing tariff barriers, strengthening supply chains,

and ensuring safe, sustainable storage ...

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