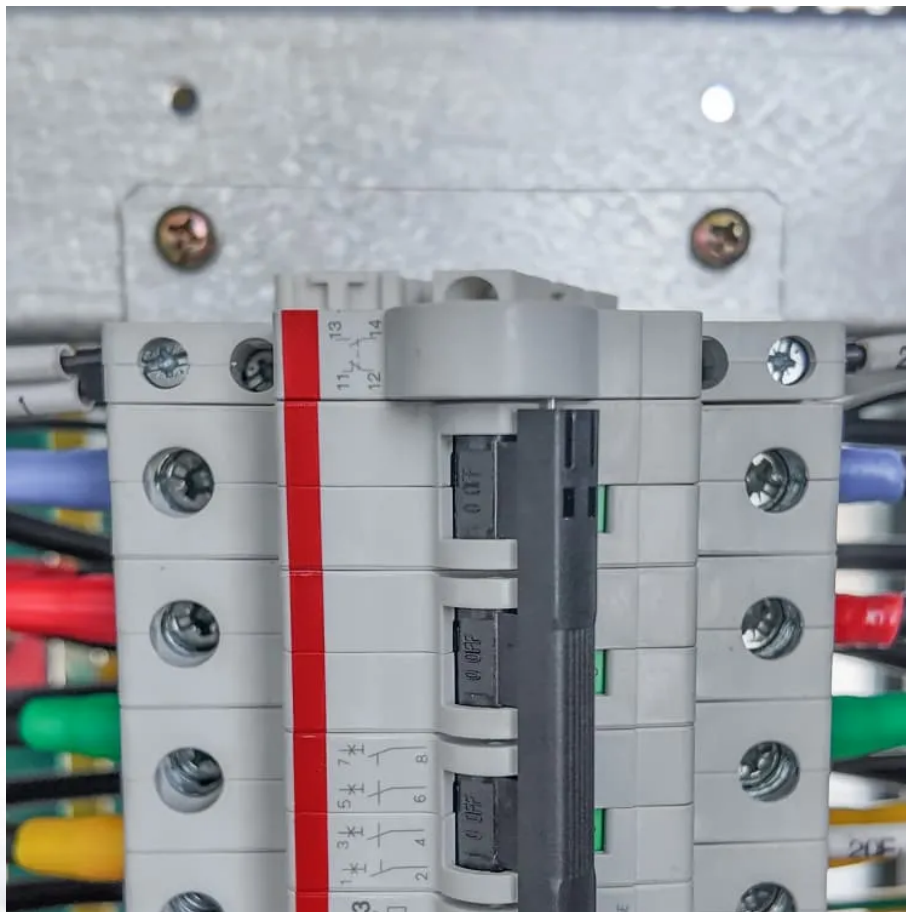


Western European new energy projects supporting energy storage





Overview

How many energy storage projects are there in Europe?

There are 147 energy storage projects under construction in Europe, with a total capacity of 14 GW, according to the European Energy Storage Inventory, launched by the European Commission. The European Energy Storage Inventory comprises operational, under construction, permitted, and announced energy storage projects across Europe.

What is the European energy storage inventory?

The European Energy Storage Inventory comprises operational, under construction, permitted, and announced energy storage projects across Europe. A real-time dashboard for energy storage also includes their locations and technologies – chemical storage, electrochemical storage, mechanical storage, and thermal storage.

How many battery energy storage systems were installed in Europe in 2024?

21.9 GWh of battery energy storage systems (BESS) was installed in Europe in 2024, marking the eleventh consecutive year of record breaking-installations, and bringing Europe's total battery fleet to 61.1 GWh. However, the annual growth rate slowed down to 15% in 2024, after three consecutive years of doubling newly added capacity.

Which European countries adopted energy storage in 2024?

The rate of energy storage adoption varied across European countries in 2024. Pumped-hydro storage (PHS): Italy, France, Germany, and Spain had the largest capacities. Residential electrochemical storage: Germany and Italy remained the top markets despite a slowdown.



Western European new energy projects supporting energy storage



[EU launches real-time dashboard for energy storage expansion](#)

Mar 5, 2025 · The aim of the European Energy Storage Inventory is to record all European energy storage projects by status - in operation, planned and under construction -, by location and by ...

[Western Energy Storage Strength: How Europe is Powering the Energy](#)

Dec 1, 2024 · Let's face it: Europe's energy storage game is getting hotter than a Tesla battery during peak discharge. With operated battery storage capacity now exceeding 20GW [1], the ...



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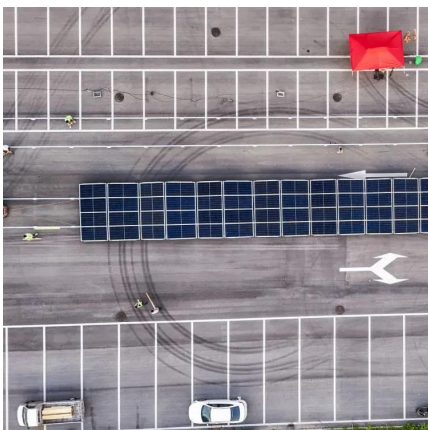
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Mar 5, 2025 · The aim of the European Energy Storage Inventory is to record all European energy storage projects by status - in operation, planned ...



EU Projects

Energy Storage Europe is currently involved in several EU-funded projects promoting research, innovation and demonstration in the energy storage sector. Our projects tackle a wide range of ...





[14 GW of energy storage capacity under ...](#)

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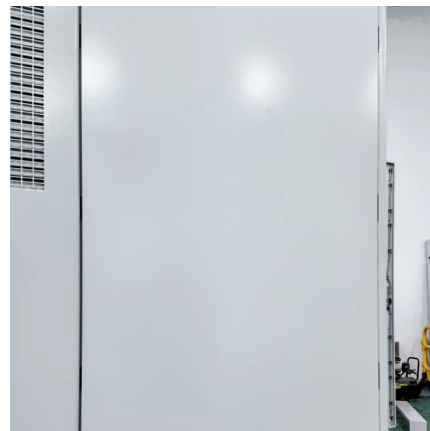


[European battery storage installations to grow 36% in 2025. ...](#)

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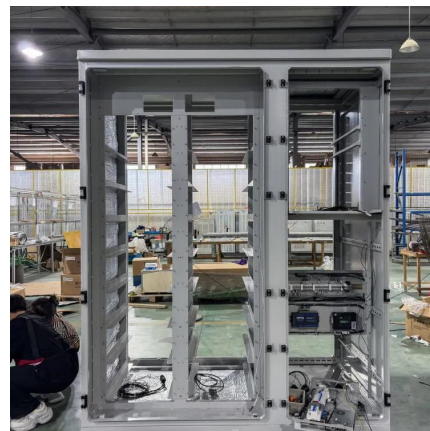
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[European Energy Storage Inventory . JRC SES](#)

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.



[14 GW of energy storage capacity under construction in Europe](#)

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