

What is the European energy storage inventory?

In March 2025, the Commission launched the European Energy Storage Inventory, a real-time dashboard that displays energy storage levels across different European countries. It is the first European-level tool of its kind and offers energy storage data across a full range of technologies.

Why is European energy storage important?

This is particularly important in the context of EU energy security and the transition away from fossil fuels for both environmental and geopolitical reasons. To help track this growing industry, the European Union has created a comprehensive database of the European energy storage technologies and facilities.

How many energy storage projects are there in Europe?

The goal is to list all planned and operational energy storage projects in Europe by location and technology. The dashboard can be filtered by country, project status and technology. It lists 32 countries and is led by Germany, with 472 projects. It is followed by the United Kingdom (455 projects), Spain (147 projects) and Italy (112 projects).

What is the European Commission doing about energy storage?

The European Commission in 2020 published a study on energy storage, which summarized some previous studies and reports, explored current and potential energy storage markets in Europe, and set out policy and regulatory recommendations for energy storage.

How big is Europe's energy storage capacity in 2024?

This report highlights Europe's rapid expansion in energy storage capacity, which reached 89 gigawatts (GW) by the end of 2024. In 2024, EASE has been instrumental in shaping policies for the evolving energy storage sector.

What are Europe's next-generation storage technologies?

Research institutions across Europe are developing next-generation storage technologies, including advanced flow batteries, compressed air energy storage, and hydrogen-based systems.

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The European Energy Storage Market Monitor (EMMES) updates the analysis of the European energy storage market (including household storage, industrial storage and pre-metre storage) ...

Introduction Electricity storage is critical for the future of European power networks. However, for storage to realize its full potential, a robust regulatory framework is needed. In the European ...

SolarPower Europe has published its new "European Market Outlook for Battery Storage", covering 2024-2028. The study delves into the specifics of the residential, C& I and ...

Learn about the key EU energy storage certifications required for commercial and industrial systems, including CE Marking, IEC, EN standards, and national grid compliance. ...

60. Calls on Member States to consider all sustainable and cost-efficient storage technologies and flexibility options, including those on heat, as part of an integrated energy ...

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