

# **European energy storage container capacity**





## Overview

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The latest edition of the European Market Monitor on Energy Storage by LCP Delta and The European Association for Storage of Energy (EASE), released today, highlights Europe's rapid expansion in energy storage capacity, which reached 89 gigawatts (GW) by the end of 2024. How big is Europe's energy storage capacity?

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How big is energy storage in Europe in 2024?

Pumped-hydro storage (PHS) dominated the market, accounting for 53 GW of total capacity. Meanwhile, electrochemical storage reached 35 GW, with many installations in homes and businesses. Large-scale thermal projects accounted for around 1 GW. The rate of energy storage adoption varied across European countries in 2024. Image: EASE.

What is Europe's most comprehensive energy storage archive?

The report, now in its ninth edition, compiled by the European Association for Storage of Energy (EASE) and LCP Delta tracks over 3,000 energy storage projects from over 27 countries to claim the moniker of the most comprehensive archive of European storage.

Which country has the largest hydro storage capacity in Europe?

Because of water resources availability and tailored energy policies, Germany, Italy, and Spain accounted for the largest pumped hydro storage capacity in the region, ranging between over nine gigawatts in Germany and 5.6 gigawatts in Spain in 2023. Discover all statistics and data on Energy storage in Europe now on [statista.com](https://www.statista.com)!.

What percentage of Europe's energy storage capacity is pumped hydro?



However, despite an exponential growth in Europe's battery energy storage capacity, which reached 36 gigawatt-hours in 2023, pumped hydro still accounted for 90 percent of the electricity storage capacity in the European Union that year.

What is the future of energy storage in Europe?

The European energy storage market contracted in 2019 to 1 GWh, with a cumulative installed base of 3.4 GWh across all segments. However, the future of energy storage in 2020 in Europe remains positive as the energy transition progresses.



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### [New report: European battery storage grows 15% in 2024, EU energy](#)

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 ...

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### [Rapid expansion of Europe's storage](#)

The latest edition of the European Market Monitor on Energy Storage by the European Association for Storage of Energy and LCP Delta, released on 31 March, highlights ...

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### [Eastern Europe's Largest Battery Energy Storage ...](#)

This solar plus storage project, located in Razlog, Southwestern Bulgaria, was realized by the EPC company Solarpro in partnership with the ...

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The Chinese manufacturer has joined the energy density race with the release of its latest utility-scale battery energy storage system and high ...

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### LIQUID COOLING ENERGY STORAGE SYSTEM

EMS real-time monitoring  
No container design  
flexible site layout



Cycle Life  
**≥8000**

Nominal Energy  
**200kwh**

IP Grade  
**IP55**

### [Crunching the Numbers \(and Having a Little Fun\): Cost - Benefit](#)

13 hours ago· Wondering if BESS containers are a smart cash move in Europe? Dive into our no-nonsense (but kinda fun) Cost - Benefit Analysis of BESS Containers--we break down initial ...

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### [Europe's energy storage fleet reaches 89 GW](#)

According to a new report authored by LCP Delta and the European Association for Storage of Energy (EASE), the continent reached a cumulative 89 GW by the end of 2024.

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### [New EU Tool Tracks Real-Time Energy Storage Across Europe](#)

With the EU aiming to double storage capacity from 66 GW to 132 GW by 2035, tools like this will play a critical role in informing investment and policy decisions.

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European Commission delegation visiting a Fluence battery storage project in Lithuania. Image: Energy Cells via LinkedIn. Lithuania can ...

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### [Global energy storage market: review and outlook](#)

The global energy storage market added 175.4 GWh of installed capacity in 2024, with the three major regional markets--China, the Americas, and Europe--continuing to ...

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### [Hithium Launches Eastern Europe's Largest BESS](#)

The new facility officially went live in early June, with the delivery of Hithium's 16 energy storage containers, each with a capacity of 3.44MWh, to ...

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### [Gotion Launches 7 MWh BESS Container](#)

The new battery energy storage system (BESS) is based on 587Ah battery cells, with an energy density of more than 430 Wh/L. The capacity of a single battery cell stands at ...

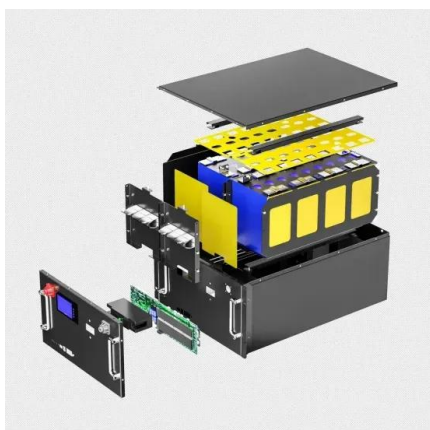
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With information on assets in over 29 countries, it is the largest and most detailed archive of European storage. The database is accompanied by a report which ...

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Permitting status of announced storage capacity in Europe, 2023-2030 - Chart and data by the International Energy Agency.

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## Energy storage

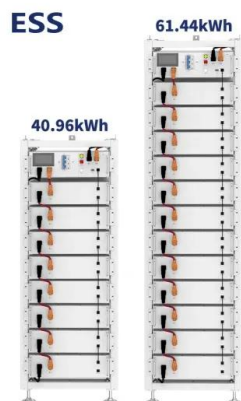
The main energy storage method in the EU is by far 'pumped hydro' storage, but battery storage projects are rising. A variety of new technologies to store energy are also ...

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### [Hithium successfully deploys largest BESS project in Eastern Europe](#)

Stationary battery manufacturer Hithium has successfully deployed the largest battery energy storage system (BESS) project in Eastern Europe to date, with a capacity of 55 ...

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