

European Solar Energy Storage

European new energy storage battery project



Overview

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.

Did Europe have a record-breaking year for battery storage installations?

A new analysis from the latest European Market Outlook for Battery Storage shows that Europe experienced another record-breaking year for battery storage installations, even though the year-on-year growth rate has slowed.

How will the European battery storage market grow by 2030?

By 2030, the European battery storage market is expected to grow substantially, thanks to investments from the European Battery Alliance (EBA) and large-scale manufacturing facilities being established across Europe. Hydrogen Storage Market: Hydrogen storage is also emerging as a critical component in the EU's energy transition strategy.

Where is the battery storage market in Europe?

*In the European Market Outlook for Battery Storage, the Europe region refers to the EU-27 + the UK + Switzerland. Spain analysis from the report Last year Spain installed less than 250 MWh of batteries (14th biggest market in Europe 2024).

Why is battery storage so important in Europe?

The recent electricity outage in the Iberian Peninsula is a stark reminder of why this is important." The BESS market in Europe is set to grow faster in the next years, although not at the levels required. In the most-likely scenario for 2025, 29.7 GWh of battery storage will be installed in Europe, representing a

36% annual growth.

How much battery storage will Europe have in 2025?

In the most-likely scenario for 2025, 29.7 GWh of battery storage will be installed in Europe, representing a 36% annual growth. By 2029, the report anticipates a sixfold increase to nearly 120 GWh, driving total capacity to 400 GWh (EU-27: 334 GWh).

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New report: "EU energy storage action plan needed"

New analysis reveals another year of record installations for European battery storage, despite slower year-on-year growth, according to the latest European Market Outlook for Battery Storage of SolarPower Europe.

European energy storage: a new multi-billion-dollar asset class

In Europe, the capacity of renewable energy sources is growing very rapidly, while traditional power plants are slowly being decommissioned. That's creating a unique new opportunity for investors amid the emerging demand for battery storage, which provides balance to electricity markets.



Europe's Battery Storage Strategy at Crossroads as Policy ...

CIDSAF, adopted by the European Commission in June 2025, marks a significant shift in industrial support policy, offering both CAPEX and OPEX subsidies for clean technology manufacturers--including ESS.

Europe's battery energy

storage boom: Record growth and ...

According to the latest analysis from SolarPower Europe, Europe added 17.2 GWh of new battery energy storage capacity in 2023, a 94% increase over the previous year, marking the third consecutive year of the market roughly doubling.



SolarPower Europe Report: European Battery Storage Expands ...

Europe's battery storage growth in 2025 will largely depend on the commissioning of large-scale utility battery projects throughout the year. This segment is expanding rapidly and, for the first time, is expected to account for the majority of ...

Europe's battery energy storage boom: Record growth ...

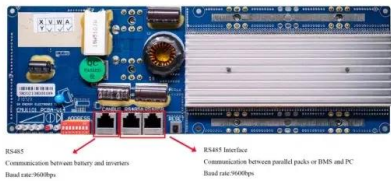
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New report: European battery storage grows 15% in 2024, EU energy

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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.



New EU Tool Tracks Real-Time Energy Storage Across Europe

It offers a comprehensive view of the continent's storage infrastructure--from pumped hydro and battery systems to emerging technologies like hydrogen and thermal storage.



Top Battery Storage Projects in Europe to Look out for in 2023

The EU is transforming the RE sector, improving grid efficiency with Battery Energy Storage projects. Watch out for these BES projects in 2023.

EU-Funded Projects - Batteries Europe

The EU-funded MeBattery project aims to lay the foundations of a next-generation battery technology that will potentially help overcome the critical limitations of established flow and static battery systems in energy storage.



