

Europe set to hit 100 GW of energy storage, with more than 115% growth expected by 2030

The EU, UK, Norway, and Switzerland together are expected to reach 100 GW of installed energy storage later this month, according to new analysis launched at the [Enlit Europe](#) conference by [LCP Delta](#) and [Energy Storage Europe](#). This milestone represents enough capacity to meet the peak electricity demand of Germany and the Netherlands. With storage capacity forecast to grow by a further 115% by 2030, this will play a crucial role in Europe's energy transition, creating more space for renewables on the grid.

Since 2020, energy storage in Europe has experienced rapid growth, with each technology advancing at its own pace. Pumped-hydro storage (PHS) holds the largest share of installed capacity, at 50.6 GW, including 500 MW added this year in Belgium and Austria. Battery storage has expanded more rapidly, with over 4 GW of new utility-scale capacity in 2025 alone.

Commercial and industrial (C&I) storage has grown steadily this year as businesses look to cut energy costs, improve efficiency, and make better use of their renewable energy. Meanwhile, residential battery sales, after significant growth driven by early-2020 subsidies, are now stabilising following their 2022–2023 peak. With costs continuing to fall and targeted schemes in place, several countries are maintaining steady progress.

LCP Delta and Energy Storage Europe believe the energy storage industry is only just getting started and will continue to make a substantial contribution to Europe's energy transition.

They expect the following:

- Energy storage will reach beyond 215 GW by 2030 – with battery storage alone exceeding 160 GW.
- By the end of the decade, storage will be deployed at a rate of 20-25GW per year, which is more than 20 times the rate of installation in the 2020s.
- Utility-scale energy storage to see strong growth, supported by improving economics, targeted auctions, and other support schemes across countries.
- Residential battery sales are expected to recover from 2027, supported by a rebounding PV market, rising electrification of homes and transport, dynamic tariffs, and new financing models.
- C&I storage to become increasingly mainstream, with policy, revenue streams, grid rules, and tariffs shaping deployment.

Silvestros Vlachopoulos, Energy Storage Research Lead at LCP Delta, said: “Reaching 100 GW of installed energy storage across Europe is a key moment for the market. It not only unlocks more space for renewables on the grid today but sets the stage for even faster growth in the coming years. Keeping investors and developers engaged will be essential to scaling projects and providing the flexibility needed for Europe’s 2030 targets.”

Jacopo Tosoni, Head of Policy at Energy Storage Europe, also commented: “Energy storage is Europe’s fastest-growing clean technology. With the right policies, energy storage can maximise our homegrown green energy while lowering bills for households and industry alike. It has the potential to become the engine of Europe’s competitiveness.”

Notes to editors

The analysis to calculate the installed capacity of energy storage in Europe is based on ongoing research as part of LCP Delta’s Energy Storage and Solar & Battery Research Services, which results in the annual publication of the European Market Monitor on Energy Storage. LCP Delta tracks the deployment of utility-scale storage to maintain the data in its European Storage Database.

About LCP Delta

LCP Delta™ is a trading name of Delta Energy & Environment Limited and Lane Clark & Peacock LLP. LCP Delta™ combines the expertise of LCP Energy and Delta-EE to provide a single partner across the whole energy value chain. We are a team of passionate people using data, primary research, insights, analysis and models embracing advanced technology and innovation to accelerate the energy transition globally. Find out more [here](#).

About Energy Storage Europe Association

The Energy Storage Europe Association (formerly EASE), based in Brussels, is a leading member-supported organisation representing more than 70 entities across the entire energy storage value chain. Founded in 2011, it includes utilities, technology providers, optimisers, research institutes, and system operators. The Association promotes energy storage deployment to enable a resilient, climate-neutral energy system. Find out more [here](#).

Media contacts

Esther Musa, Senior PR Executive, esther.musa@lcp.uk.com

Elina Cirule, Senior Communications Officer, e.cirule@energystorageeurope.eu