

# EU Behind-the-meter Energy Storage

What is behind-the-meter battery energy storage system (BTM)?

Behind-the-meter (BtM) Battery Energy Storage Systems (BESS) have proven a reliable technology able to provide several services while achieving savings and revenues.

How many GWh of energy storage will be installed in Europe?

Consultancy Wood Mackenzie forecasts that 89GWh of grid-scale BESS capacity will be installed in Europe by 2031 - a 20-fold increase over 2022. The UK, Italy, Germany and Spain are the four largest markets for BESS in Europe. Figure 1. New capacity forecasts for top 10 European grid-scale energy storage markets 2022-2031 (GWh).

Is Solarpower Europe a defining moment for Europe's battery storage market?

With this report, SolarPower Europe strengthens its market intelligence offering for a sector that is rapidly becoming indispensable to Europe's energy transition. This report comes at a defining moment. In 2025, Europe's battery storage market entered a new phase of scale and maturity.

Could battery energy storage systems be a business opportunity in 2022?

By 2030, the EU predicts EUR170bn will need to be spent on digital technologies to upgrade European grids. Within this scenario, Battery Energy Storage Systems (BESS) have emerged as a leading business opportunity. In May 2022, for the first time ever, more electricity was generated in the EU from wind and solar power than from fossil fuels.

Controllable consumption devices: Article 14a of the Energy Industry Act (EnWG) allows flexible control of equipment such as heat pumps, energy storage systems and EV charging stations ...

In order to promote the deployment of renewable energies, both thermal and electric, in the different consumer sectors, encourage greater control of consumption through the development of behind-the ...

A resilient and cost-efficient energy system requires both centralised and decentralised flexibility, making the reactivation of residential and commercial storage a priority. This edition of the ...

Energy storage systems (ESSs) can help make the most of the opportunities and mitigate the potential challenges. Hence, the installed capacity of ESSs is rapidly increasing, both in front-of ...

BESS deployed behind the meter (BtM) provide electricity generators and consumers with greater control and autonomy over their electricity usage, and enable the integration into the grid of Virtual ...

Ever wondered how European households and businesses are dodging sky-high electricity bills while saving the planet? Enter behind-the-meter (BTM) energy storage - the quiet ...

Finally, the European Commission incorporated several recommendations on Energy Storage in the EMD revision, including that "Member States promote, through regulatory and non ...



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Opportunities for behind-the-meter and co-located BESS . The deployment of battery energy storage systems (BESS) is key to reaching the EU's decarbonisation targets outlined in Fit ...

Discover which European countries deliver the best returns for behind-the-meter solar PV and battery storage in 2025 - and why sunshine isn't everything.

The growing need for flexibility in Europe is driving the development of local flexibility markets (LFM). To address the uncertainties of distributed energy res

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