

Bulgaria energy storage for grid stability



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EU's Largest BESS Project Now Online in Bulgaria

A battery energy storage system (BESS) described as the largest deployed to date in the European Union (EU) has been commissioned in Bulgaria.

[National infrastructure for storage of electricity \(RESTORE\)](#)

The objective of the RESTORE investment, financed with EUR 603 million from the Recovery and Resilience Facility, is to enable a significant increase the share of renewable energy (wind and solar)



Battery Energy Storage Systems in Bulgaria

The initiative aims to enhance grid stability, reduce curtailment of renewable energy, and support Bulgaria's transition to a low-carbon energy system. As of early 2025, the programme has

[Flexibility Assessment of the Bulgarian Power Grid FI](#)

study assesses the evolution of the generation mix, grid stability, curtailment risks, and economic feasibility to determine the most effective strategies for the energy transition.



[Energy Storage in Bulgaria Surges with 9.7 GWh](#)



Bulgaria

The selected projects-funded under the EU-supported RESTORE program-will receive up to 50% of construction and commissioning costs,



[Bulgarian Tender Awards Nearly 10 GWh of Energy Storage](#)

This significant capacity will strengthen Bulgaria's ability to store and manage energy from renewable sources, enhancing the reliability of its energy grid. The Ministry of Energy set a



[Bulgaria: Energy Storage as a Catalyst for a](#)

[Awarded Under](#)

Energy storage in Bulgaria is expanding rapidly as the government awards nearly 10 GWh of capacity to 82 projects, boosting renewable energy reliability and grid stability.



[Bulgaria: Energy Storage as a Catalyst for a Changing Power Sector](#)

storage is hindering Bulgaria in the development of an energy storage market. Furthermore, Bulgaria's energy legislation and grid codes have been historically written with thermal plants in mind,



[Bulgaria Commits EUR600 Million to Nearly 10GWh in Energy Storage](#)

The selected projects-funded under the EU-supported RESTORE program-will receive up to 50% of construction and commissioning costs, aiming to reinforce grid stability as Bulgaria

Changing Power Sector

The latest white paper, prepared by Fluence in collaboration with APSTE, examines the current state of the Bulgarian energy market and the potential for energy storage applications to revolutionise the



Bulgaria

Around 500 MW of battery energy storage systems (BESS), with a storage capacity of some 1,300 MWh, were installed in the country by mid-2025, helping balance the country's power grid.

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