



# Composition of Bulgaria's modern energy storage system

As Europe races toward climate neutrality, Bulgaria's surge in storage capacity signals a shift not only in national priorities but also in regional energy dynamics.

The tender was launched last year, aiming to significantly increase the share of renewable energy, mainly wind and solar, in the country's energy mix. It would also contribute to Bulgaria's energy ...

Some experts argue that so far energy storage is not a major issue in Bulgaria, thanks to Bulgaria's plentiful operational coal and nuclear capacities. However, the country needs to comply with ...

Bulgaria's Ministry of Energy is currently running two tenders aiming to commission 1,425 MW of solar and wind generation capacity coupled with 350 MW of behind-the-meter energy storage.

Bulgaria's largest commissioned system to date is a 25MW/55MWh installation by Renalfa (June 2024), followed by an 18.7MWh project from China-based Sermatec. In February 2025, state utility NEK ...

At EVN Bulgaria, we recognise battery energy storage as a cornerstone of future energy markets. Our strategic focus is on delivering high-value services that go beyond technology: integrating market ...

Transformation of AES Galabovo into a large-scale energy storage facility using proven technology implemented in concentrated solar power plants (CSP) using molten salts

With the European Union's ambitious climate targets, the rapid expansion of renewable energy, and the urgent need for grid flexibility, Battery Energy Storage Systems (BESS) are emerging as a...

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 energy ...

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, especially with regards ...



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