

Bulgarian power plant energy storage equipment prices





Overview

The current market reference prices are as follows (using B2B projects as an example): Solar photovoltaic panels: approximately 0.18–0.25 euros/Wp
Industrial-grade energy storage batteries (lithium iron phosphate): approximately 350–500 euros/kWh
When will energy storage systems be installed in Bulgaria?

The selected energy storage facilities must be put into operation by the end of March 2026. Authorities will check the status of every project in May 2025, the announcement reads. Bulgaria already held the first two tenders for battery energy storage systems (BESS) that would be integrated with renewable electricity plants.

How much money is needed for energy storage projects in Bulgaria?

The Ministry of Energy of Bulgaria prepared EUR 589 million in grants for standalone energy storage projects. The deadline for applications is November 21. With the surge in photovoltaic capacity, ambitious plans for renewables overall and a collapse in the coal power segment, Bulgaria needs urgent grid upgrades alongside energy storage.

What can boost battery storage in Bulgaria?

Another development that can boost battery storage in Bulgaria is a recent update of national legislation to include battery energy storage systems as a component of the grid.

How much does a battery cost in Bulgaria?

Currently, Bulgaria's electricity market offers an opportunity for €110 (\$122) per MWh profit on battery energy storage with two hours of discharge capacity using energy arbitrage. Rystad Energy's analysis estimates battery system costs at a flat €60 (\$67) per MWh.

Does Bulgaria have a pumped hydropower plant?



Moreover, the country's only pumped storage hydropower plant, Chaira, is still out of order. Bulgaria is developing a plan for another two large facilities of the kind. The Ministry of Energy acknowledged that it is issuing the public call for standalone energy storage units after a long delay.

How much battery energy storage capacity does Bulgaria have?

Bulgaria has installed between 40 MWh and 50 MWh of battery energy storage capacity to date. However, new national legislation as well as funds provided through the European Union's Recovery and Resilience Facility (RRF) could add another 1 GWh of storage capacity over the next two years.



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[Bulgaria launches call for grants for standalone energy storage units](#)

Renalfa IPP commissioned its first utility-scale battery energy storage system in June. The 25 MW - 55 MWh facility in the town of Razlog in southwest Bulgaria is colocated ...

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[Battery energy storage systems The case of Bulgaria: recent ...](#)

No double network fees: access and transmission prices are paid only for the difference between the amount of electricity purchased from electricity market participants and the amount of ...

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[Ukraine's Parliament Backs Purchase Of Russian Nuclear ...](#)

Ukraine's parliament has voted to support a draft bill allowing Kyiv to buy Russian-made reactor equipment from Bulgaria for the completion of Units 3 and 4 at the Khmel'nitski ...

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[Energy storage. Market perspectives for Bulgaria](#) [?????](#)

The Association for Production, Storage, and Trading of Electricity (APSTE) has published a report on the technological development and market perspectives ...



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[Rezolv Energy breaks ground on one of biggest solar ...](#)

Rezolv Energy is building the St. George PV plant of 225 MW in peak capacity at the abandoned Silistra airport in northeastern Bulgaria.

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

EXECUTIVE SUMMARY The Bulgarian power system is undergoing an unprecedented surge in renewable energy deployment. Over the past four years, the country has significantly ...

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[Bulgaria launches call for grants for standalone energy storage units](#)

Bulgaria relying heavily on energy storage in green transition Bulgaria already held the first two tenders for battery energy storage systems (BESS) that would be integrated with ...

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[REPUBLIC OF BULGARIA Ministry of Energy Ministry of the ...](#)

i. National objectives related to other aspects of the internal energy market such as increasing system flexibility, in particular related to the promotion of competitively determined electricity ...

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[GSL ENERGY's Battery Energy Storage System \(BESS\) and ...](#)

According to 2024 market data, the prices of solar batteries and energy storage batteries in Bulgaria are influenced by factors such as cell costs, import tariffs, and installation ...

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[Bulgaria's battery storage market gears up](#)

Rystad Energy's analysis has set the battery system costs at a flat EUR60 per MWh. Despite this opportunity, the conference argued that until recently energy storage was not a big thing in ...

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

New investments in renewable energy generation, primarily solar photovoltaics (PV) in Bulgaria and neighboring countries, drove down power ...

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

New investments in renewable energy generation, primarily solar photovoltaics (PV) in Bulgaria and neighboring countries, drove down power prices during periods of high supply.

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[NEK wants to install a total of 280 MWh of batteries at ...](#)

Bulgaria's National Electric Company (NEK) is boldly moving towards batteries and is already considering installing energy storage systems ...

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[Top 25 Energy Storage Companies in Bulgaria \(2025\) . ensun](#)

The company provides turnkey solutions for solar power plants, specifically incorporating energy storage facilities. They focus on high-quality solar panels paired with LiFePO4 battery storage ...

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[Bulgaria to replace broken turbines in Chaira pumped storage ...](#)

Bulgaria's NEK launched a tender for the supply and replacement of two out of four turbines in pumped storage hydropower plant Chaira.

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

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

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[Toshiba, Voith, ABB to repair Bulgaria's Chaira pumped storage](#)

Bulgarian state-owned power utility NEK signed contracts with Toshiba, for the repair of unit 1 of the Chaira pumped storage hydropower plant, and with the consortium Voith ...

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[APSTE: High state fees for PV panels, energy storage batteries ...](#)

The Association for Production, Storage and Trading of Electricity (APSTE) warned that the government's disproportionately high fees for photovoltaic panels and energy storage ...

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[Renalfa IPP puts largest battery facility in Bulgaria into operation](#)

Plovdiv-based Vineli Re plans to build a wind and solar park, combined with electricity storage near Dobrich in northeast Bulgaria. In March, the government in Sofia ...

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[Bulgaria's Battery Storage Market](#)

Rystad Energy 's analysis estimates battery system costs at a flat EUR60 (\$67) per MWh. Some experts argue that so far energy storage is not a major issue in Bulgaria, thanks ...

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[Bulgaria becomes the energy balancer hub of the Balkans with 3 ...](#)

Bulgaria wants to become the energy balancer of the Balkans, with new ambitions to build three new pumped-storage hydroelectric power plants (PSHPs), each with a capacity ...

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A postcard from... Bulgaria

Renalfa IPP opened the first large-scale BESS project in Bulgaria and one of the largest in the region. By developing utility-scale energy storage at strategic locations, energy ...

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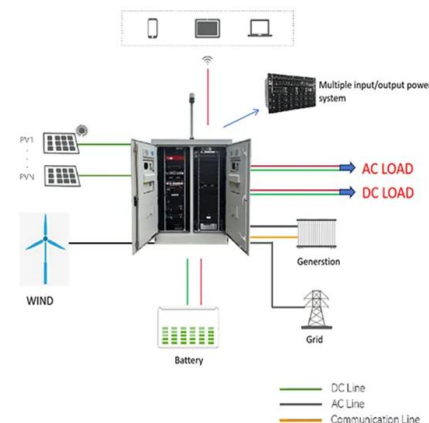


[Energy storage regulation in Bulgaria . CMS Expert ...](#)

Energy storage projects are facing the following challenges: Lack of revenue - Energy storage projects are expensive to develop. The Bulgarian

...

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[Sungrow, SUNOTEC focus on Bulgaria with 2.4GWh BESS ...](#)

Sungrow has signed a 2.4GWh strategic deployment agreement for battery storage systems in Europe with solar PV solutions provider SUNOTEC.

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