



MODERNIZATION SOLAR

# Bulgaria solar energy storage facility





## Overview

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What will Bulgaria's solar power capacity be used for?

This capacity will be used for both solar peak shaving and grid balancing," Rangelov said. 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.

Why is energy storage growing in Bulgaria?

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.

How much does a battery energy storage system cost in Bulgaria?

Specifically, according to data presented by Soltani at the RE-Source Southeast Conference, Bulgaria's electricity market offers an opportunity for €110 per MWh profit with a battery energy storage system with two hours of discharge capacity using energy arbitrage. Rystad Energy's analysis has set the battery system costs at a flat €60 per MWh.

How big is Bulgaria's solar PV capacity in 2024?

At the close of 2024, Bulgaria's solar PV capacity had already reached 3.91 GW—an annual increase of over 1 GW. These developments come on the heels of Bulgaria's first renewable energy auction held in late 2024, where more than 3 GW of generation and 1.176 GW of storage capacity were secured.



## Bulgaria solar energy storage facility



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

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### **Bulgaria Commits EUR600 Million to Nearly 10GWh in Energy Storage**

Aug 4, 2025 · Image: Ministry of Energy. Bulgaria's Ministry of Energy has approved EUR588 million in funding for 82 standalone battery energy storage projects, totaling nearly 9.7GWh of usable ...



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

Jan 6, 2025 · Approximately 200 million EUR investments to encourage the combination of new renewables with local electricity storage facilities (totaling around 200 MW); Transformation of ...

### [Bulgaria Awards Close To 10 GWh Energy ...](#)

Apr 22, 2025 · Bulgaria's Energy Ministry has awarded 9.7 GWh in its energy storage tender 82 winning projects to receive BGN 1.15 billion in state ...



## [Bulgaria Awards Close To 10 GWh Energy Storage Capacity](#)

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

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

Aug 12, 2025 · In 2024, GSL ENERGY successfully installed a 7.45MWh industrial-grade BESS energy storage battery system in Bulgaria, integrated with solar photovoltaic power generation, ...



## [Sunterra RE has obtained permits to operate some of the ...](#)

Sunterra RE marks an important milestone in Bulgaria's energy transformation with the commissioning of major battery energy storage systems (BESS) at the Galabovo Solar, ...



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

Apr 23, 2025 · 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.



## **Largest battery storage system in Balkans commissioned in Bulgaria**

May 26, 2025 · The energy systems are part of Bulgaria's first and only closed licensed distribution network. Balkan Industrial Zone, with the solar power plant and BESS facility, is ...



## [Bulgaria Advances in Solar Energy Storage with Private ...](#)

Aug 13, 2025 · Sofia, The Gulf Observer: Bulgaria has taken a notable step in transforming its energy sector by beginning large-scale storage of solar energy in batteries through private ...



## Sermatec Secures 430+ MWh Energy Storage Project in Bulgaria

Located in Southeast Europe and blessed with abundant solar resources, Bulgaria has seen a rapid surge in PV installations. This boom brings an urgent need for flexibility and stability in ...



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