

# **Solar power storage batteries in Bulgaria**





## Overview

---

Around 500 MW of battery energy storage systems (BESS) with a storage capacity of some 1,300 MWh are now installed in Bulgaria and helping balance the country's power grid, Angelin Tsachev, chief executive of the Electricity System Operator EAD (ESO), said on Monday. Which country has the strongest battery energy storage system in the Balkans?

The Bulgarian city of Lovech, northeast of Sofia, hosts the strongest battery energy storage system (BESS) in the Balkans. The Ministry of Energy even said the new facility, with a capability of 124.1 MW and 496.4 MWh in capacity, is the biggest in the European Union.

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 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.

How many MWh will a battery energy storage system deliver?

The selected projects will deliver a total usable battery energy storage system (BESS) capacity of 9,712.89 MWh, the Ministry of Energy said on April 17, more than three times the minimum target of 3 GWh originally set by the tender. The deadline for submission of standalone battery storage project proposals was December 5, 2024.



## Solar power storage batteries in Bulgaria

---



### [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, ...

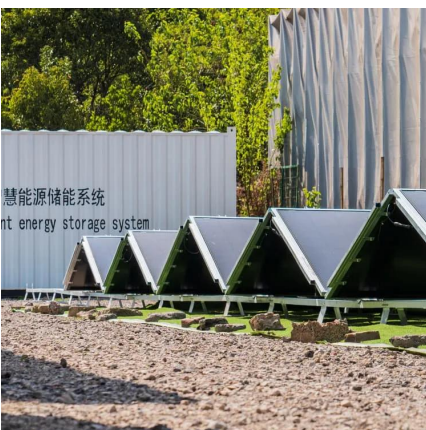
### [Energy storage battery projects - opportunities and challenges](#)

Energy price volatility: Markets with high energy price volatility offer better arbitrage opportunities, which can increase battery revenues. Smart grid infrastructure: Markets with modernized, ...



### [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.



### [Bulgaria Accelerates Solar Energy Storage as Battery](#)

Aug 18, 2025 · In Bulgaria, the storage of solar energy in batteries is rapidly expanding, with private investors leading the initiative. According to the "Electricity System Operator" (ESO), ...



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

Aug 4, 2023 · Fortunately, Bulgaria sits in the privileged position where it can profit from the experiences of other energy systems with high renewable shares. Here, battery-based energy ...



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

May 27, 2025 · A BESS facility of 124.1 MW in operating power was inaugurated in Lovech in Bulgaria. Located next to a photovoltaic park within Balkan Industrial Park, it is part of the ...



### [Bulgaria hits 500 MW of batteries, poised for rapid expansion](#)

Aug 12, 2025 · Bulgaria has 500 MW/1,300 MWh of batteries online and could reach 7,000-10,000 MWh within 12-18 months, ESO says, supporting 10%-15% of daily power ...





### [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 battery storage: GEN-I's Unique 200 MW Deal](#)

Nov 15, 2025 · GEN-I's Growing Influence in Southeast Europe's Bulgaria battery storage Market The two battery storage facilities are expected to be fully operational by the end of March ...

### [Bulgaria's battery storage reaches 500 MW, set to surge](#)

Aug 12, 2025 · Around 500 MW of battery energy storage systems (BESS) with a storage capacity of some 1,300 MWh are now installed in Bulgaria and helping balance the country's ...



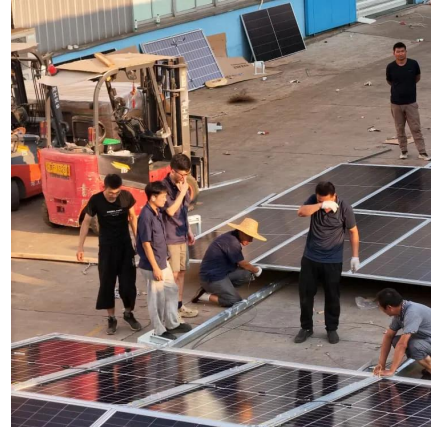
### **Largest battery storage system in Balkans commissioned in Bulgaria**

May 26, 2025 · A BESS facility of 124.1 MW in operating power was inaugurated in Lovech in Bulgaria. Located next to a photovoltaic park within Balkan Industrial Park, it is part of the ...



### [Bulgaria Is Promoting Standalone Battery Storage Upto 10GW](#)

Apr 25, 2025 · The selected projects will deliver a total usable battery energy storage system (BESS) capacity of 9,712.89 MWh, the Ministry of Energy said on April 17, more than three ...



### [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 ...

## Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://woodgoods.pl>

**Scan QR Code for More Information**



<https://woodgoods.pl>