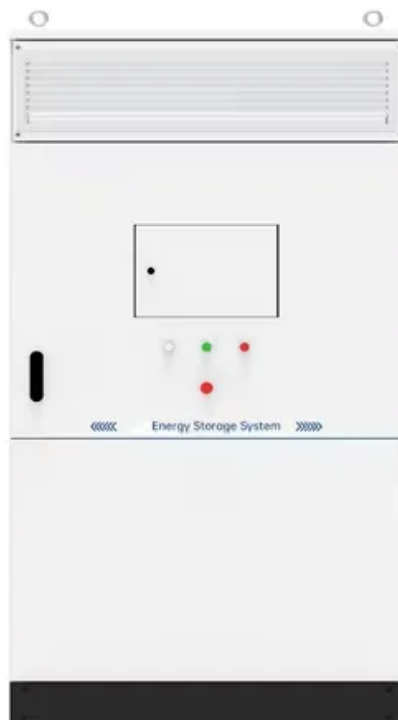


Bulgaria PV energy storage prices





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
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.

Is there a transition to energy storage in Bulgaria?

"In fact, we are already seeing the transition to energy storage in Bulgaria, mainly through the development of battery storage facilities behind-the-meter," Alexander Rangelov, CEO of the International Power Supply (IPS) Group, an energy storage manufacturer headquartered in Sofia, told pv magazine.

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 important in Bulgaria?

In 2023, the Bulgarian Parliament introduced specific legislative amendments regulating the electricity storage. The rationale behind the amendments is to provide balance and flexibility to the power system. Energy storage is a crucial step for low-carbon economy since it enhances the security of supply and the development of renewables capacity.



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 money does the Bulgarian Energy Ministry provide for energy storage?

The Bulgarian Energy Ministry opened a tender procedure for supply of energy storage on August 21, 2024. The procedure aims to provide funding for construction and implementation of a 3,000 MWh stand-alone battery storage facility. The total amount of the grant that can be provided under the procedure is €590 million (\$ 536 million).



Bulgaria PV energy storage prices



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Owners of PV systems blocked a major road in Bulgaria to urge authorities to revise the methodology for determining balancing prices.

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[Bulgaria Auctions Off 3GW Renewable Energy and 1.17GW Energy Storage](#)

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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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The heating function is optional

Intelligent BMS

Cycle Life: > 6000

Warranty: 10 years

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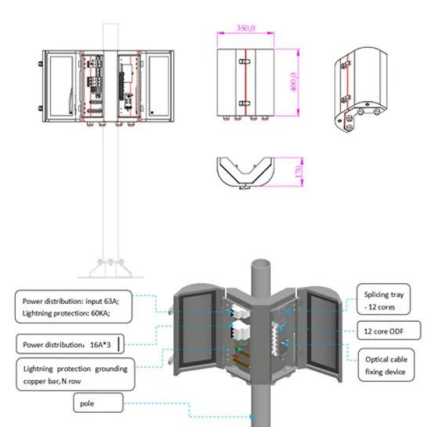
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Rystad Energy 's analysis estimates battery system costs at a flat EUR60 (\$67) per MWh. Some experts argue that so far energy storage is not a major issue in Bulgaria, thanks ...

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