

Solar Storage Container Solutions

Bulgaria Energy Storage Power Specifications



Overview

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.

Will Bulgaria's energy storage capacity be used for solar peak shaving & grid balancing?

That capacity will be used for both solar peak shaving and grid balancing. 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.

Why do we need energy storage solutions in Bulgaria?

Establish a reliable energy system with greater share of intermittent generation. In the context of Bulgaria's energy landscape, energy storage solutions present a diverse array of benefits to various stakeholders stemming from its unique ability to time-shift energy and rapidly respond when called upon. The applic.

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).

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.

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Bulgaria - Energy Country Profile

Dec 20, 2024 · Bulgaria's energy storage programme oversubscribed 4.3 times Bulgaria's Ministry of Energy has received applications for EUR2.55 billion in stand-alone energy storage projects ...

Sermatec wins 430+ MWh energy storage project in Bulgaria

Aug 5, 2025 · Shanghai Sermatec Energy Technology has been awarded a contract for a 430+ MWh energy storage procurement project in Bulgaria. The company will provide a ...



Renalfa IPP puts largest battery facility in ...

Jun 21, 2024 · Renalfa IPP has started the commercial operation of its first utility-scale battery energy storage system. The 25 MW - 55 MWh facility in the ...

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 ...



Largest battery storage system in Balkans commissioned in Bulgaria

May 26, 2025 · 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 ...



Bulgaria opens calls for battery storage subsidies ...

Mar 18, 2024 · A South African investor opened a battery factory in Rousse last year Bulgaria is relying heavily on battery technology and energy storage ...



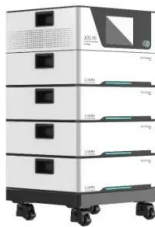
Bulgaria boosts renewables capacity by 938 MW in 2024

Jan 14, 2025 · Bulgarian companies put 481 renewable electricity plants into operation in 2024, adding 938 MW, according to the Electricity System Operator (ESO), Capital.bg reported. Of ...



BULGARIA ENERGY STORAGE AS A CATALYST FOR A CHANGING POWER ...

What is a Bulgarian energy storage grant?
Following a three-month delay, the Ministry of Energy of Bulgaria combined five planned procedures for grants for energy storage facilities into three ...



Energy storage. Market perspectives for Bulgaria ...

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

Bulgaria grants EUR 587 million to 82 battery storage projects

Apr 22, 2025 · Developers of 82 standalone battery projects in Bulgaria, for an overall 9.71 GWh in capacity, got approval for EUR 587 million in subsidies.

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Bulgaria: Energy Storage as a Catalyst for a Changing ...

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