

JH Solar

Bulgaria energy storage project



Overview

Bulgaria's Ministry of Energy has approved €588 million in funding for 82 standalone battery energy storage projects, totaling nearly 9.7GWh of usable capacity. The final decision, announced on April 17, 2025, concludes a competitive selection process that began with 151 proposals in August 2024. 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.

What is the largest battery energy storage system in Bulgaria?

The system is the largest in Bulgaria. Image: Renalfa IPP. A 25MW/55MWh battery energy storage system (BESS) has been commissioned in Bulgaria, Eastern Europe, by operator Renalfa IPP, using technology provided by Chinese firms Hithium and Kehua.

How can different energy storage applications benefit Bulgaria?

n Union (EU). How can Different Energy Storage Applications Benefit Bulgaria?

Energy storage applications play a vital role in the successful integration of renewable energy sources into electricity grid. They can bring the grid stability and resiliency crucial as a country strives to es.

What does Bulgaria's surge in storage capacity mean for Europe?

As Europe races toward climate neutrality, Bulgaria's surge in storage capacity signals a shift not only in national priorities but also in regional energy dynamics.

Can battery-based energy storage improve peaking capacity in Bulgaria?

storage can also offer greater flexibility and efficiency in managing the grid. Furthermore, and although hydropower storage already makes up a significant

source of peaking capacity in Bulgaria, battery-based energy storage can address peaking needs during times of droughts, meet requirements for more distributed peaking po.

How will the selected storage systems be distributed in Bulgaria?

The selected storage systems will be geographically distributed across Bulgaria and connected either to the national transmission grid or local distribution networks. All awarded projects must be operational by March 2026.

Bulgaria energy storage project



Sermatec expands Eastern European presence with 430 MWh storage in Bulgaria

With major projects in Bulgaria and Poland, strategic expansion in Eastern Europe, and a new manufacturing base in Spain, Sermatec is positioning itself to play a central ...

Bulgaria Begins Procedure to Create Largest Energy Storage

Bulgaria has started the procedure to create the largest energy storage battery in the country, Energy Minister Zhecho Stankov said Wednesday during the opening of the fifth ...



Bulgaria launches renewables-plus-storage tenders

The Bulgarian Ministry of Energy has launched two renewables-plus-storage tenders to the tune of BGN 535 million (\$298 million), accepting bids from companies in all ...

Hithium and Solarpro Partner on 55 MWh Energy Storage Project in Bulgaria

Hithium, a stationary battery manufacturer, has partnered with Solarpro, a solar project EPC

provider, to supply battery products to a 55 MWh energy storage project in ...



Bulgarian tender awards nearly 10 GWh of energy storage

Bulgaria's standalone energy storage tender, which aimed to procure at least 3 GWh of cumulative usable capacity, ultimately awarded more than three times that amount.

Sermatec Secures 430+ MWh Energy Storage Project in Bulgaria

Sermatec advances Sino-European green energy collaboration and returns by securing a 430+ MWh energy storage project in Bulgaria.



EU's Largest BESS Project Now Online in Bulgaria

A battery energy storage system (BESS) described as the largest deployed to date in the European Union (EU) has been commissioned in Bulgaria. Officials with the country's Ministry of Energy ...

Bulgarian tender awards nearly 10 GWh of energy ...

Bulgaria will finance 82 standalone renewable energy storage projects worth over 1.15 billion levs (\$675 million) under its EU-funded procurement exercise named RESTORE.



Bulgaria's NEK to equip five hydropower plants with battery storage

In addition to a 10 MWh pilot project at Vacha 1, NEK plans to add battery energy storage systems (BESS) to four other hydropower plants.

SUNOTEC and Sungrow Ink Landmark Deal for 2.4 GWh Energy Storage ...

SUNOTEC and Sungrow have announced a groundbreaking partnership to deploy 2.4 GWh of battery energy storage systems (BESS) across several solar energy ...



Battery energy storage systems The case of Bulgaria: recent ...

Transformation of AES Galabovo into a large-scale energy storage facility using proven technology implemented in concentrated solar power plants (CSP) using molten salts

Sermatec Secures Energy Storage Project in Bulgaria

Shanghai Sermatec Energy Technology secured a 430 MWh energy storage project in Bulgaria, offering a full-lifecycle solution to optimise grid efficiency. Sermatec began ...



Bulgaria launches call for grants for standalone energy storage units

Bulgaria prepared EUR 589 million in grants for standalone energy storage projects. The deadline for applications is November 21.

Bulgaria's battery storage market gears up

Bulgaria has installed between 40 MWh and 50 MWh battery energy storage capacity to date. However, a new national legislation as well as funds provided through the ...



Bulgaria opens EU-funded 3000 MWh stand-alone battery storage ...

On 21 August 2024, the Bulgarian Ministry of Energy opened a tender procedure for National infrastructure for storage of renewable energy (RESTORE) for granting stand-alone battery ...

Hithium and Solarpro Partner on 55 MWh Energy ...

Hithium, a stationary battery manufacturer, has partnered with Solarpro, a solar project EPC provider, to supply battery products to a 55 MWh energy storage project in Bulgaria. Solarpro will be providing turnkey ...



Bulgaria 3GWh energy storage tender 4x ...

A 25MW/55MWh project from IPP Renalfa and BESS supplier Hithium, the largest in Bulgaria. Image: Renalfa IPP. The deadline has now passed for Bulgaria's EU-backed support scheme for standalone ...

Bulgaria: Energy Storage Project Call Oversubscribed by 4.3 Times

The call for autonomous energy storage projects in Bulgaria received proposals totaling EUR2.55 billion, 4.3 times the allocated budget of EUR581 million. However, access to funding remains ...

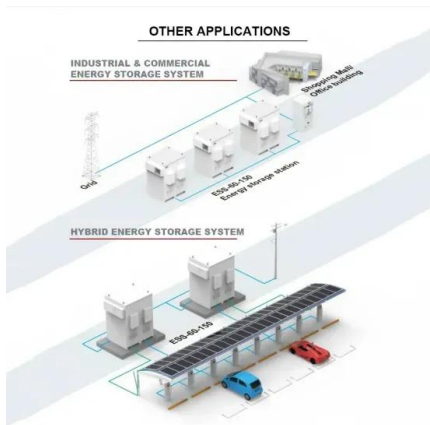


Sermatec secures 430+ MWh energy storage project in Bulgaria

From Bulgaria's sun-drenched Black Sea coast to the energy heartland of Eastern Europe, Chinese energy storage technology is playing an increasingly vital role in ...

Bulgaria and Romania grant funding to gigawatts of ...

The energy ministers of Bulgaria, Greece and Romania signing a tripartite Declaration of Intent to co-operate on renewable energy development in the region. Image: Republic of Bulgaria Ministry of Energy. ...



Bulgaria grants EUR 587 million to 82 battery storage projects

Developers of 82 standalone battery storage projects in Bulgaria, for an overall 9.71 GWh in capacity, got approval for EUR 587 million in subsidies from the Ministry of ...

Bulgaria launches EU's largest battery of nearly ...

Bulgaria's energy minister Zhecho Stankov on Thursday inaugurated what is described as the largest battery energy storage installation currently in operation across the EU -- a nearly 500 ...



Bulgarian tender awards nearly 10 GWh of energy ...

Bulgaria's standalone energy storage tender, which aimed to procure at least 3 GWh of cumulative usable capacity, ultimately awarded more than three times that amount.

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 reliability and grid stability.



Bulgaria Is Promoting Standalone Battery Storage ...

Bulgaria will finance 82 standalone battery storage projects worth over 1.15 billion levs (\$675 million) under its EU-funded procurement exercise named RESTORE. The selected projects will deliver a total ...

Bulgarian Tender Awards Nearly 10 GWh of Energy Storage

These projects will deliver a combined usable energy storage capacity of 9,712.89 MWh, exceeding the program's initial target of 3,000 MWh by more than threefold. ...



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

storage is hindering Bulgaria in the development of an energy storage market. Furthermore, Bulgaria's energy legislation and grid codes have been historically written with thermal plants in ...

Bulgaria launches renewables-plus-storage tenders

The Bulgarian Ministry of Energy has launched two renewables-plus-storage tenders to the tune of BGN 535 million (\$298 million), accepting bids from companies in all sectors except agriculture



Battery energy storage systems The case of Bulgaria: recent ...

Request for a minimum capacity of 10MWac;
 Have a technical advisor with previous experience in either a combined project for production and storage or standalone storage project with ...

Sermatec wins 430-MWh energy storage order in Bulgaria

Chinese energy storage system provider Shanghai Sermatec Energy Technology Co Ltd said on Monday it has recently secured a 430-MWh-plus energy storage procurement ...



Sermatec bags 430 MWh storage project in Bulgaria

Sermatec has secured a 430 MWh energy storage project in Bulgaria as the country is focused on deploying energy storage systems to enhance stability of its power ...

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