

Is Bulgaria relying on battery technology & energy storage?

A South African investor opened a battery factory in Rousse last year Bulgaria is relying heavily on battery technology and energy storage overall in its energy transition. Belgian company ABEE launched a EUR 1.1 billion project in December for a battery plant, recycling facility and a research and development center.

What are Bulgaria's energy storage subsidies?

The subsidies are for battery systems required to be installed together with renewable electricity plants of at least 200 kW in capacity. Following a three-month delay, the Ministry of Energy of Bulgaria combined five planned procedures for grants for energy storage facilities into three and launched calls for two of them.

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 and launched calls for two of them. The aim is to support the buildout of renewable electricity plants, with which the subsidized systems would be integrated into hybrid power plants.

How much is the energy investment in Bulgaria worth?

The ministry released a statement a day prior to the application window's opening. Energy minister Vladimir Malinov said the investments, worth up to BGN1,153,939,700 (US\$657.4 million) "will guarantee the security and stability of the Bulgarian electricity system."

How much money will be invested in Bulgaria's electricity system?

Energy minister Vladimir Malinov said the investments, worth up to BGN1,153,939,700 (US\$657.4 million) "will guarantee the security and stability of the Bulgarian electricity system." Tender bids must be submitted electronically, with more information available on this portal.

How much energy storage can a beneficiary receive?

Each beneficiary can receive up to EUR 379,000 per MW of energy storage, excluding VAT. A South African investor opened a battery factory in Rousse last year Bulgaria is relying heavily on battery technology and energy storage overall in its energy transition.

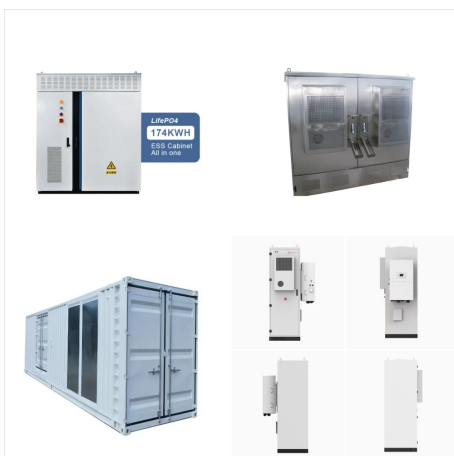
# BULGARIA BATTERY STORAGE ASSETS



The Bulgaria's Ministry of Energy began accepting applications yesterday (21 August) in tenders for 3,000MWh of energy storage capacity. Called the National infrastructure for the storage of electricity from renewable sources (RESTORE), the programme seeks battery energy storage system (BESS) resources that will go into operation by March 2026.



Bulgaria's power market offers the most opportunity for high revenues, with a battery storage system with two hours of discharge capacity using energy arbitrage capable of generating ???110 per megawatt-hour (MWh) in terms of ???



Utility-scale energy storage | Dynamically maximising revenues for your battery storage investment. Eliminate the complexity from investing in and running a battery energy storage system with our end-to-end solution that encompasses project development, operational optimisation, and long-term maintenance. Learn more

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Bulgaria makes the most of its geographical position by being a net electricity exporter within Southeastern Europe, as the country is interconnected with all of its land-neighbouring countries. The Bulgarian government supports the development of grid-scale battery storage facilities located near renewable generating capacity.



Billed as the largest operating battery energy storage system in Bulgaria to date, the 25 MW/55 MWh facility, developed by Austria's Renalfa IPP, came online at the start of the month. Vienna-based developer Renalfa IPP has started commercial operation at its 25 MW/55 MWh battery energy storage system (BESS) located in the city of Razlog, southwestern ???



A South African investor opened a battery factory in Rousse last year. Bulgaria is relying heavily on battery technology and energy storage overall in its energy transition. Belgian company ABEE launched a EUR 1.1 billion project in December for a battery plant, recycling facility and a research and development center.

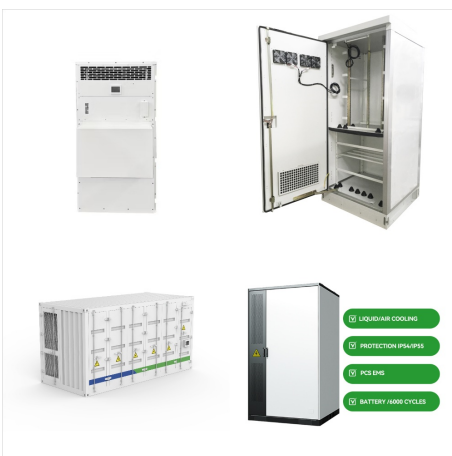
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Earlier this year, Greek renewable power developer Mytilineos and utility PPC Group announced plans to construct 2GW of new solar PV assets in a number of south-eastern European countries, including Bulgaria, and the national government has already used some of the EU funds to expand the country's storage sector.



In an Energy-Storage.news webinar hosted last week with flexible and distributed energy asset trading and optimisation company GridBeyond, the audience heard a lively discussion of the GB/UK market's evolving revenue landscape for batteries. Energy-Storage.news' publisher Solar Media will host the 9th annual Energy Storage Summit EU in



Bulgaria's Ministry of Energy has launched two tenders to add 1,425MW of renewable power generation to the grid and 350MW of battery energy storage system (BESS) projects. The ministry said the main objective of the investment, totalling BGN535.1 million (US\$298.2 million), is to increase the share of clean energy in Bulgaria by supporting



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The Restore project in Bulgaria for battery energy storage, intended for balancing electricity from renewable sources, will total 6 GWh. A state-owned company, which should be established by the end of June, will run the entire project, while the first tenders should be completed by the end of September.

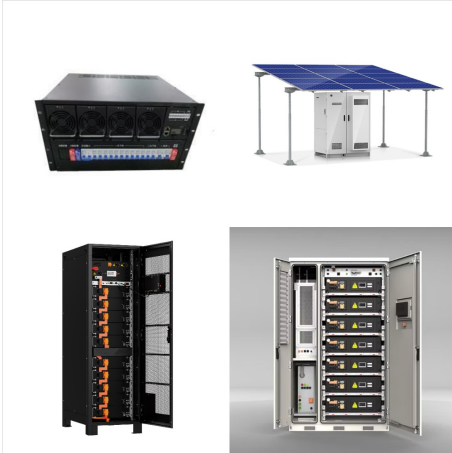


Investors have until June 12 to apply for grants for energy storage investments in Bulgaria of EUR 273 million within two calls. The subsidies are for battery systems required to be installed together with renewable ???

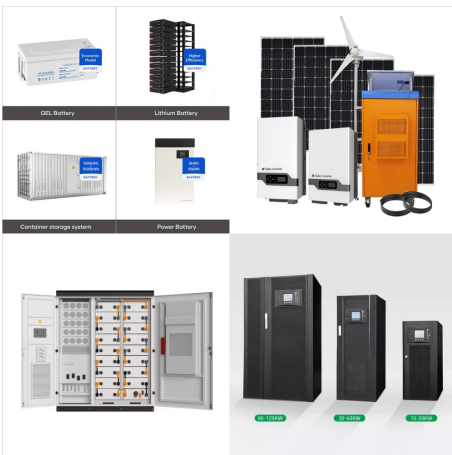


Bulgaria has installed between 40 MWh and 50 MWh of battery energy storage capacity to date. However, new national legislation as well as funds provided through the European Union's Recovery and Resilience Facility (RRF) could add another 1 GWh of storage capacity over the next two years.

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Our battery storage projects are primarily co-located, meaning a regular renewable energy park is combined with batteries on the same plot, sharing the same grid connection. We currently have multiple battery storage projects in our development pipeline, with a ???



Stemming from our successful global portfolio of energy storage eco-system events in the US and beyond, combined with the steadily growing landscape for operational battery assets in the country, we are very excited to launch our inaugural Battery Asset Management Summit in San Diego, California (12-13 November 2024).



Ingrid Capacity will in September have over 200 MW operational battery energy storage assets under management, 200 MW under construction, and a total development pipeline of 6+ GW. About BW ESS BW ESS is a global energy storage owner-operator, moving with conviction to develop, fund and operate market-leading energy storage projects across

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Image: Republic of Bulgaria Ministry of Energy. The energy ministries of Bulgaria and Romania have both revealed the results of EU-backed tenders for renewables and energy storage, with gigawatts of energy storage being supported. Bulgaria supports 3.1GW of renewables and 1.1GW of storage



We proudly showcased our latest 25 MW/55 MWh battery storage system, Bulgaria's largest to date, and unveiled Solarpro's new direction: #EngineeringTheNetZero. With 15+ years of expertise and over



Presently, Bulgaria's installed battery storage capacity stands between 40 MWh and 50 MWh. However, a new national legislation as well as funds through the European Union's Recovery and Resilience Facility mean ???

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STORAGE ASSETS UNDER MANAGEMENT  
NISPERA 10.6+ GW OF AI-OPTIMIZED BIDDING  
OF RENEWABLES AND STORAGE MOSAIC  
ENERGY STORAGE SOLUTIONS (1) 7.0+ TOTAL  
GW OUR MISSION Transform the way we power  
our world to create a more sustainable future.  
PURPOSE-BUILT PURPOSE-DRIVEN 225+  
PROJECTS CLOUD-BASED SOFTWARE (2) ???



Vattenfall's Ray wind farm in Northumberland,  
England, with BESS units supplied and integrated  
by Fluence in foreground. Image: Vattenfall.  
Successful optimisation of batteries co-located with  
wind is complex but could help "unlock a blueprint"  
for managing assets at portfolio level, the chief  
executive of UK software company Arenko has said.



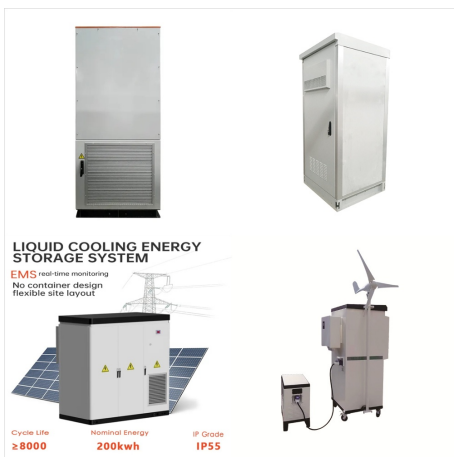
"By demonstrating large-scale battery development  
and operation, we are showing our ability to execute  
forward-thinking strategies and new technologies,"  
NYPA president and CEO Justin E Driscoll said. As  
regular readers of Energy-Storage.news will know,  
New York has one of the most aggressive energy  
storage deployment targets around. It was



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Uncertain profits could slow down battery storage roll-out. The report also analyzed the scenario that involves a 30% tax credit for battery storage operators. In such an environment, energy storage arbitrage would be ???



With an installed power rating of 15MW and an energy storage capacity of 9MWh giving a sub-1-hour duration, the LFP battery system is most likely one of the fleet of projects that won awards in the Fast Reserve auction of 2020. That auction saw five-year contracts handed to some 230MW of battery storage projects for 2023-27 delivery.



Trading around battery storage assets is challenging and no single model may fit across markets. It demands sophisticated tools that have the flexibility to model business processes and/or the integration capability to import proprietary attributes for customer-specific valuation purposes. In addition, a next-generation ETRM system that

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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.



: Bulgaria has launched a public consultation process into government grant aid plans to support an expansion of renewables and BESS projects across the country, the energy ministry has told Energy Storage Journal.. The government intends to call for tenders and offer financial support to develop 570MW of wind and solar generating capacity, plus 150MW of co ???



REIB: Leading the Way in Energy Storage Insurance With over a decade of experience in renewable energy insurance, REIB has emerged as a key player in the industry. Currently, we insure 100 MWh of the 130 MWh of installed battery storage in Bulgaria, a testament to our expertise and trusted role in the country's energy transition.

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Hithium's Block 3.44MWh container is an advanced liquid-cooled battery storage system. It utilises prismatic LFP [lithium iron phosphate] BESS cells with a 280Ah [amps per hour] capacity, known for their long cyclic lifetime. The system is designed for stationary battery storage applications requiring top-tier safety, reliability and performance.



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 European Union's Recovery and Resilience Facility could see the country install another 1 GWh over the next two years.



A BESS asset after a fire event. Managing the risks associated with thermal runaway is a huge challenge for the industry. Image: Sedgewick. Fire safety has become a key consideration in the burgeoning battery energy storage industry. Adam Shinn, Michael Cosgrave and Ross Kiddie report on efforts to mitigate the risks of thermal runaway and the