

Bulgaria New Energy Storage Project

Why does Bulgaria plan electricity storage projects?

Bulgaria plans electricity storage projects to enhance system balance, strengthen its export position, and ensure cross-border flexibility. Bulgaria has a unique asset in its energy portfolio being Chaira Pumped Storage Hydropower Plant ('PSHPP'), with a production capacity of 864 megawatts and a pumping capacity of 788 megawatts.

How many project proposals were submitted in Bulgaria's energy storage procurement procedure?

A total of 151 project proposals were submitted in Bulgaria's standalone energy storage procurement procedure named RESTORE, which is seeking to support the construction and commissioning of renewable energy storage facilities with a cumulative minimum usable capacity of 3 GWh.

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 much money has Bulgaria received for energy projects?

The Ministry of Energy of Bulgaria has received 151 project proposals worth nearly BGN 5 billion (\$2.7 billion), more than four times the available funding.

When will a Bulgarian electricity project be implemented?

The investments under the procedure must be implemented and the facilities connected to the electricity transmission and distribution networks on the territory of Bulgaria and put into operation by March 2026. In May 2025, the degree of maturity of the projects and their implementation will be checked.

Which solar companies have been able to build solar-plus-storage projects in Australia?

Global solar developer Lightsource bp and Acen Australia have seen each of their respective solar-plus-storage projects in New South Wales, Australia, totalling 550MW of generation capacity, progress. Developer and IPP R.Power has received EUR15 million (US\$15.6 million) in non-reimbursable state financing to build a 2-hour BESS project in Romania.

AES is one of the world leaders in the energy storage sector. As part of their expansion, the company is planning to develop a battery storage project in Bulgaria. In the middle of 2015, the company presented its proposal for the development of the battery storage technology in Bulgaria to the Minister of Energy.

Under two calls in Bulgaria, developers of 249 projects will receive EUR 268 million in total state aid. The programs are for renewable electricity plants with energy storage units. The Bulgarian Ministry of Energy said it completed two funding rounds under the National Recovery and Resilience Plan.

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Hithium will supply 16 energy storage containers with a 3,44 MWh capacity, based on the company's 280 Ah cells, which have a long lifespan. They also feature a wide operating temperature range, thereby allowing the project to run without interruption in extreme weather.. Hithium's containers achieve high thermal stability with liquid as compared to air cooling, ...

· Location: Razlog, Bulgaria . The project is co-located to a 33 MWp PV plant, this hybrid solar plus storage project is seamlessly integrated into the transmission system operator (TSO) grid. Kehua, as a world-leading energy storage solutions provider, supplied the 1500Vdc PCS and MV transformer integrated solution.

A call for new energy storage capacity in Bulgaria has awarded 9,712.89 MWh of projects with a total investment value of BGN 1.149 billion (USD 675.8m/EUR 587.5m), the ...

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The grant scheme, funded under the National Recovery and Resilience Plan, provides a little over 1.15 billion leva to support the construction and commissioning of renewable energy storage facilities with at least 3,000 MWh of usable capacity, connected to Bulgaria's power transmission and distribution systems, the ministry said in a statement over the weekend.

Bulgaria is poised to strengthen its position as a regional leader in green energy storage, with Chaira playing a pivotal role. NEK's modernization program also extends to other hydropower projects, including the rehabilitation of the Belmeken-Sestrimo-Momina Klissura hydropower cascade and plans for new pumped-storage facilities at the Batak ...

Following the successful adaptation of the new Energy Strategy in 2025, the new Bulgarian government and Parliament need to dedicate 2-3 years for a new Energy Law, a new Renewable Energy Law, and subsequent reforms. This article was originally published in Issue 12.1 of the CEE Legal Matters Magazine.

The pair of new renewable energy sources, named Batak and Dospat, will each add generation capacity of approximately 800 megawatts (MW) and expand storage capacity, strengthening electricity supply in Bulgaria and the European Union.

However, the state-owned hydropower plant operator, part of Bulgarian Energy Holding, is yet to fully cover financing. The pilot project for adding battery energy storage to the Vacha 1 hydropower plant, reconstructed in 2023, is planned for completion by the end of the year, the article reads. The 14 MW facility was built in 1933.

Hithium has launched a 55 megawatt hours (MWh) battery energy storage system (BESS) project in Razlog,

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southwestern Bulgaria. The project, the largest in Eastern Europe, has been realised by Solarpro, a company ...

Stationary battery manufacturer Hithium and solar power project EPC provider Solarpro announced a strategic partnership, with the first project to be implemented in Bulgaria. Industry sources added that Hithium has agreed to supply battery products to a 55MWh energy storage project for which SolarPro is providing turnkey EPC services.

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. ...

Stationary battery manufacturer Hithium and solar project EPC provider Solarpro have announced a strategic partnership, with their first project to come in Bulgaria. Hithium has agreed to supply the battery products to a 55 MWh energy storage project, for which Solarpro is providing turnkey EPC services. The new plant will support a photovoltaic installation 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 ...

A new plan for the Bulgarian Energy sector: batteries and renewable energy are in, gas is out ... The authority would need to provide another 270 mln. lev in funding to complete the project. The large demand for battery storage solutions as per this part of the Plan generates new opportunities for entrepreneurs in the energy sector. As the ...

From ESS News. 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.

With its well-developed electricity transmission system, interconnections with neighbouring countries and energy storage infrastructure, Bulgaria can play a key role in the development of the Green Energy Corridor project, Energy Minister Zhecho Stankov said at the 10th ministerial meeting in connection with the strategic partnership agreement for the ...

As a result of the new regulations, the addition of grid battery storage in Italy is expected to increase to 5.2 GWh in 2024, which corresponds to 67% of the total Italian battery storage market. By 2028, an annual new ...

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 energy ...

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



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renewable ...

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 ...

This significant milestone marks the system as Bulgaria's largest BESS project to date, jointly developed by Kehua and Solarpro, the largest energy EPC company in Eastern Europe and a ...

Hithium has launched a 55 megawatt hours (MWh) battery energy storage system (BESS) project in Razlog, southwestern Bulgaria. The project, the largest in Eastern Europe, has been realised by Solarpro, a company specialising in ...

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Web: <https://regucelltouch.eu/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

