

# Domestic energy storage cost breakdown in Bulgaria 2025





## Overview

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Historical and Current Development Overview of Battery Energy Storage System (BESS) Market in Bulgaria . . . . . 14.

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Renewable Market Watch™ is delivering strategic insight about emerging renewable energy markets. We partner with our customers to provide research and consulting reports in areas appropriate to their specific requirements. Our primary focus is emerging renewable energy markets of the Balkan.

, which were under repair, a strong water hammer occurred and the facility was literally destroyed. The damage is such that repairs could hardly be made and it will probably be necessary to completely rebuild the power plant. As a possible reason, sources from "Capital" point to the lack of ade .

On 24 February 2025, the Government of the Republic of Bulgaria adopted and published its 2025-2029 Strategy. The document provides for the adoption of the long-awaited strategy for sustainable energy development until 2030 with a horizon of 2050. It also sets out amendments to legislation that.

The latest white paper, prepared by Fluence in collaboration with APSTE, examines the current state of the Bulgarian energy market and the potential for energy storage applications to revolutionise the energy landscape in Bulgaria. The Current State of the Bulgarian Power Market: Why is Energy.

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 Some experts argue that so far energy storage is not a major issue in Bulgaria, thanks to Bulgaria’s.

With nearly 10 GWh of standalone energy storage capacity awarded—more than triple the initial target—the country is making significant headway in



reinforcing grid stability and accelerating the integration of renewables. Under the RESTORE initiative, launched through Bulgaria's National Recovery. 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).

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.

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.

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.

How much money does the NRRP provide for energy projects in Bulgaria?

Under the RESTORE initiative, launched through Bulgaria's National Recovery and Resilience Plan (NRRP), the Ministry of Energy has selected 82 projects that will collectively receive BGN 1.15 billion (approximately \$675 million) in public funding.

How much funding does Bulgaria have for a decarbonization project?

Grant funding is capped at BGN 148.6 million per project, covering up to 50% of eligible costs, and limited to BGN 371,607.70 per MWh of usable capacity



(excluding VAT). This tender marks a significant milestone in Bulgaria's broader decarbonization agenda.



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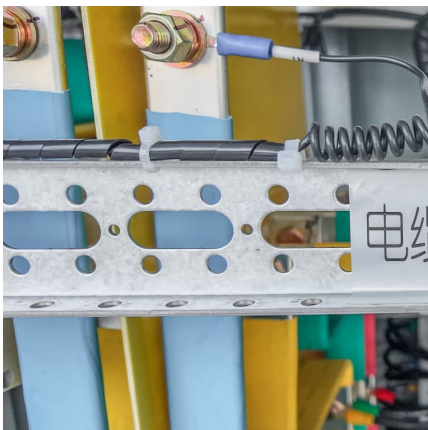
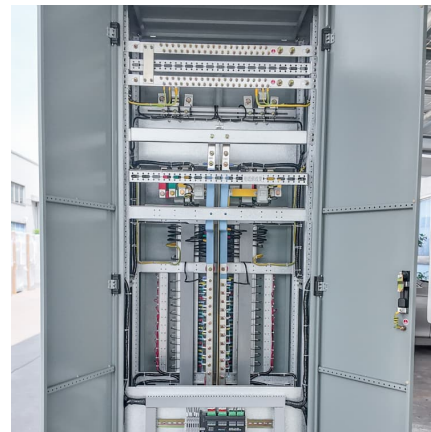


### [An Outlook on 2025: Energy in Bulgaria](#)

CMS Sofia Managing Partner Kostadin Sirleshtov and Counsel Borislava Piperkova talk about energy in Bulgaria in 2025. CEELM: What is in the pipeline in terms of legislation that you believe will have the most impact on the energy ...

### Home battery storage cost Bulgaria

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



### [U.S. energy storage installations grow 33% year-over ...](#)

Across all segments, including residential, commercial and industrial, and utility-scale, energy storage had year-over-year deployment growth in 2024. "The energy storage industry has quickly scaled to meet the moment ...

### Bulgaria Residential Energy Storage Market (2025-2031) , Trends

The Bulgaria Residential Energy Storage market is expanding rapidly due to the increasing adoption of renewable energy sources.



Residential energy storage systems are becoming ...

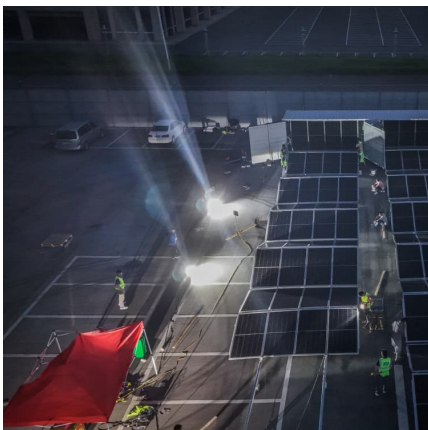


### What Is The Current Average Cost Of Energy Storage Systems In 2025

In 2025, the average energy storage cost ranges from \$200 to \$400 per kWh, with total system prices varying by technology, region, and installation factors.

### Domestic content bonus credit guidance: What's changing in 2025?

On January 16, 2025, the U.S. Department of the Treasury and IRS released updated guidance known as the First Updated Elective Safe Harbor on the domestic content bonus credit. This ...



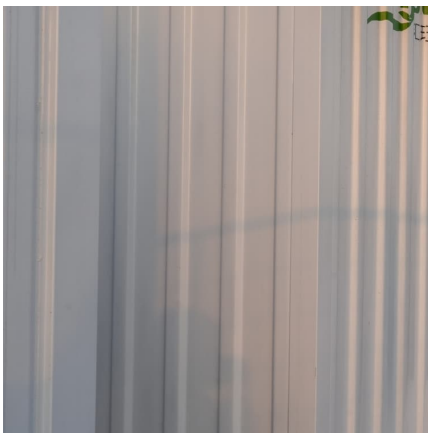
### PV Energy Storage Cost Trends: What You Need to Know in 2025

Let's face it - solar panels without storage are like coffee without a caffeine kick. The real magic happens when photovoltaic (PV) systems team up with energy storage. In ...



### **Bulgarian Governmental Strategy in the energy sector 2025 ...**

On 24 February 2025, the Government of the Republic of Bulgaria adopted and published its 2025-2029 Strategy. The document provides for the adoption of the long-awaited strategy for ...

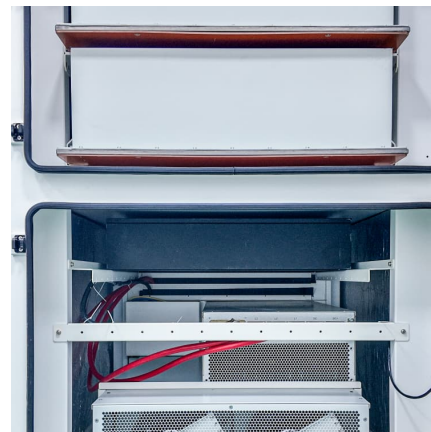


### [Bulgaria's battery storage market gears up](#)

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 launches call for grants for standalone energy storage units**

The maximum is 50% of eligible costs and no more than EUR 189,700 per MWh, excluding value-added tax. The selected energy storage facilities must be put into operation by ...



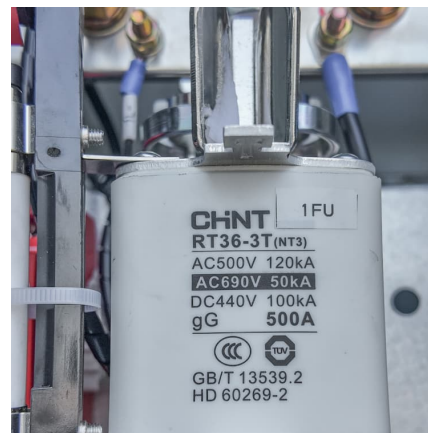
### [Domestic Content Safe Harbor cost percentages 2025 ...](#)

The U.S. Department of the Treasury released additional guidance on the Inflation Reduction Act's domestic content tax credit bonus for solar and battery energy storage projects. The guidance today builds on the ...



[Energy storage regulation in Bulgaria , CMS Expert ...](#)

Are you looking for information on energy storage regulation in Bulgaria? This CMS Expert Guide provides you with everything you need to know.



**Bulgaria Battery Energy Storage System (BESS) Market Outlook ...**

Historical and Current Development Overview of Battery Energy Storage System (BESS) Market in Bulgaria . 14



[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.





### Energy storage costs

Energy storage technologies, store energy either as electricity or heat/cold, so it can be used at a later time. With the growth in electric vehicle sales, battery storage costs have fallen rapidly ...

### Residential Battery Storage , Electricity , 2024 , ATB , NREL

The battery storage technologies do not calculate levelized cost of energy (LCOE) or levelized cost of storage (LCOS) and so do not use financial assumptions. Therefore, all parameters are ...



### [An Outlook on 2025: Energy in Bulgaria](#)

CMS Sofia Managing Partner Kostadin Sirleshtov and Counsel Borislava Piperkova talk about energy in Bulgaria in 2025. CEELM: What is in the pipeline in terms of legislation that you ...

### Electricity price statistics

Ireland Non-Household Prices: The Temporary Business Energy Support Scheme (TBESS) was introduced in the second half of 2022 to support non-domestic customers with increases in ...



### **Cost of Living in Bulgaria. Prices in Bulgaria. Updated Sep 2025**

Average prices of more than 40 products and services in Bulgaria. Prices of restaurants, food, transportation, utilities and housing are included.



### Solar Installed System Cost Analysis

Solar Installed System Cost Analysis NREL analyzes the total costs associated with installing photovoltaic (PV) systems for residential rooftop, commercial rooftop, and utility ...



### **Energy prices and costs in Europe**

The prices and costs for energy evolve over time depending on many different factors like the prices of inputs, market competition and market integration conditions, regulatory and policy ...





## The state of the domestic solar and energy storage supply chain, Q1 2025

For example, each component of a battery energy storage system contributes points under the 2025-08 IRS Notice, which helps projects meet the domestic content ...

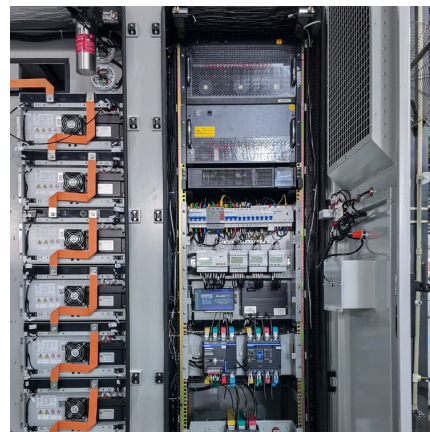


## Energy Storage Technology and Cost Characterization Report

This report defines and evaluates cost and performance parameters of six battery energy storage technologies (BESS) (lithium-ion batteries, lead-acid batteries, redox flow batteries, sodium ...

## Bulgaria opens calls for battery storage subsidies within ...

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. ...



## [Residential Battery Storage , Electricity , 2022 , ATB](#)

This work incorporates base year battery costs and breakdown from the report (Ramasamy et al., 2021) that works from a bottom-up cost model. The bottom-up battery energy storage systems (BESS) model accounts for major ...



### Bulgaria Commits EUR600 Million to Nearly 10GWh in Energy Storage

Bulgaria's Minister of Energy Zhecho Stankov. Image: Ministry of Energy. Bulgaria's Ministry of Energy has approved EUR588 million in funding for 82 standalone battery ...



### 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



### Electricity price statistics

Ireland Non-Household Prices: The Temporary Business Energy Support Scheme (TBESS) was introduced in the second half of 2022 to support non-domestic customers with increases in their electricity or natural gas (energy) costs.





[U.S. Solar Photovoltaic System and Energy Storage Cost](#)

U.S. Solar Photovoltaic System and Energy Storage Cost Benchmarks, With Minimum Sustainable Price Analysis: Q1 2023 Vignesh Ramasamy,<sup>1</sup> Jarett Zuboy,<sup>1</sup> Michael ...

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