



The quality of Bulgaria s new industrial and commercial energy storage equipment





Overview

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.

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profit from the experiences of other energy systems with high renewable shares. Here, battery-based energy storage is integrated as a reliable and cost-efficient solution that increases system flexibility and allows for integration of greater shares of low-cost renewables. Energy storage can also be.

Three years ago, SCU deployed the country's first 40ft containerized energy storage system at a solar farm in Bulgaria, setting a precedent for large-scale industrial and commercial energy storage. Now, three years later, how is this system running?

What value has it brought to customers?

This.

Burgas, Bulgaria, June 3, 2025 — Sigenergy brought together nearly 300 global energy professionals in Burgas to explore the future of commercial and industrial (C&I) energy storage. A key highlight of the event was a visit to a landmark 20 MWh project in Malko Tarnovo, powered by Sigenergy's.

Stacks are primarily used for home systems but Sigenergy has installed a 10 MW/20 MWh project at a solar site in Malko Tarnovo. Sorting stationary battery energy storage systems (BESS) by size starts with the smallest, stack systems, progresses to cabinets, and culminates in containerized units. A.

Bulgaria is taking bold steps toward a greener energy future, having recently wrapped up its most ambitious energy storage tender to date. With nearly 10 GWh of standalone energy storage capacity awarded—more than triple the initial target—the country is making significant headway in reinforcing.



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. 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.

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.

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.

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.



The quality of Bulgaria's new industrial and commercial energy storage



Bulgaria Commits EUR600 Million to Nearly 10GWh in Energy ...

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Yintu energy's C& I Energy Storage Systems Transform Bulgaria's

The company is currently constructing three cutting-edge C& I energy storage systems in Bulgaria, seamlessly integrated with a local factory and photovoltaic (PV) park. ...



[Bulgaria: Energy Storage as a Catalyst for a ...](#)

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[Sigenergy debuts large-scale Bulgarian energy ...](#)

With ever-larger containerized battery systems testing the limits of what can be transported in one go, separately-shipped energy ...



Bulgaria's Battery Storage Market

Some experts argue that so far energy storage is not a major issue in Bulgaria, thanks to Bulgaria's plentiful operational coal and nuclear capacities. However, the country ...



Sigenergy debuts large-scale Bulgarian energy storage project ...

With ever-larger containerized battery systems testing the limits of what can be transported in one go, separately-shipped energy storage modules require more cabling and ...



Energy Storage in Bulgaria Surges with 9.7 GWh Awarded Under ...

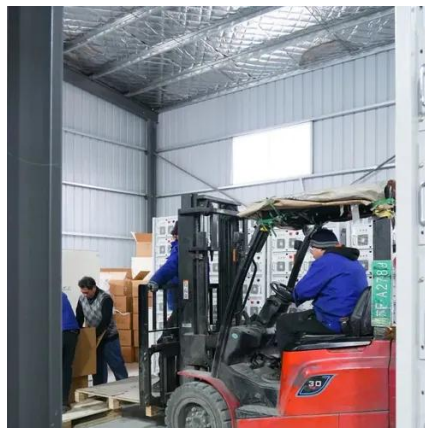
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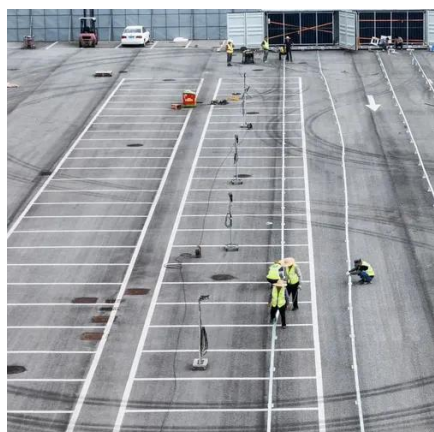
SCU Commercial and Industrial Energy Storage ...

Even under Bulgaria's extreme climatic conditions (high temperatures in summer and low temperatures in winter), the system still ...



Sigenergy's 20 MWh Modular C&I Solution Defines the Next ...

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Bulgaria Industrial & Commercial Energy Storage Project

EVADA is revolutionizing energy management in Bulgaria with a 100kW Industrial & Commercial energy storage project tailored for a large factory. This system is designed to ...



Bulgaria: Energy Storage as a Catalyst for a Changing Power Sector

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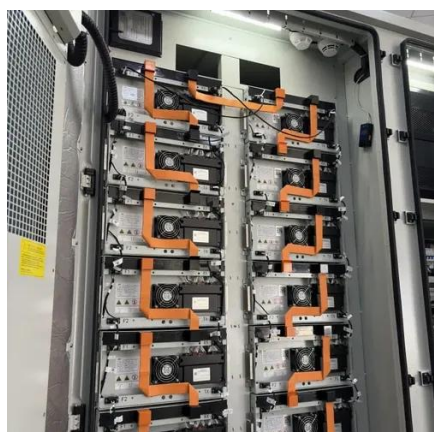
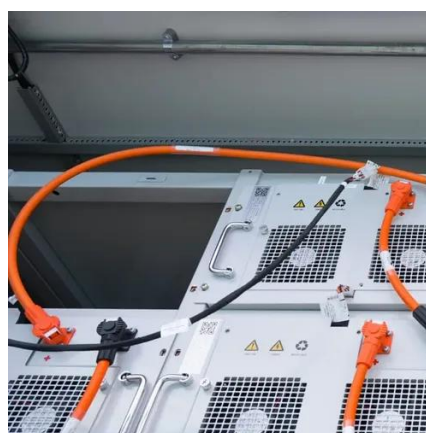


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storage is hindering Bulgaria in the development of an energy storage market. Furthermore, Bulgaria's energy legislation and grid codes have been historically written with thermal plants ...



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SCU Commercial and Industrial Energy Storage Project ...

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