

## SolarInnovate Energy Solutions

# The first battery energy storage in Eastern Europe



## Overview

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The project is the first utility-scale Battery Energy Storage System in Bulgaria as well as one of the first of such scale in Eastern Europe. How can European policymakers help the battery storage sector?

Recommendations How can European policymakers help the battery storage sector? Battery storage systems are essential for strengthening the EU's energy security and competitiveness by enhancing flexibility, providing ancillary services to secure the grid, maximising the use of renewable energy, and effectively dealing with energy price volatility.

How big is the battery storage capacity in Europe?

The operating battery storage capacity reached 49.1 GWh at the end of 2024. Over the past 4 years, the enlargement of Europe's BESS fleet has intensified, achieving a CAGR of nearly 100%, whereas from 2018-2021, the average annual increase remained below 50%. Thanks to this upswing during the last 4 years, the battery storage capacity in Europe is.

Will a battery energy storage system be integrated with renewable electricity plants?

Bulgaria already held the first two tenders for battery energy storage systems (BESS) that would be integrated with renewable electricity plants. Earlier this month, Renalfa IPP has started the commercial operation of its first utility-scale battery energy storage system.

Which countries have a battery plant in South Africa?

Solar MD, a battery manufacturer based in South Africa, opened its LiFePO<sub>4</sub> Energy Storage facility in Roussee last year. State-owned Bulgarian Energy Holding or BEH has established a subsidiary for green energy and storage projects. Neighboring Greece completed its second auction for standalone battery projects in February.

Why are European households turning to solar & battery storage systems?

number of European households turned to solar PV and battery storage systems. This shift also aligned with efforts to lower carbon emissions. However, demand for residential solar and storage quickly outpaced supply, hampered by a widespread shortage of qualified.

What is Renalfa IPP's first utility-scale battery energy storage system?

Earlier this month, Renalfa IPP has started the commercial operation of its first utility-scale battery energy storage system. The 25 MW – 55 MWh facility in the town of Razlog in southwest Bulgaria is colocated with a 33 MW photovoltaic plant. It is one of the first BESS units in Eastern and Southeastern Europe and the largest one in Bulgaria.

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### Ukraine is set to launch one of Eastern Europe's largest energy storage

Jul 14, 2025 · Overall, the system will store 400 MWh of electricity, enough to power 600,000 Ukrainian homes for two hours. Commercial operations and service delivery under the contract ...

### Ukraine is set to launch one of Eastern Europe's largest energy storage

Jul 14, 2025 · DTEK and Fluence, a global leader in energy storage, have announced the early deployment of this project. The 200 MW system, spanning six locations, is in its final phase, ...



### New report: European battery storage grows 15% in 2024, EU energy

May 7, 2025 · 21.9 GWh of battery energy storage systems (BESS) was installed in Europe in 2024, marking the eleventh consecutive year of record breaking-installations, and bringing ...

## Large energy storage in Central and Eastern Europe may ...

Dec 31, 2024 · According to PV Europe, the large-scale battery energy storage market in six key Central and Eastern European countries is projected to grow fivefold by 2030. · Poland will ...



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