

Kongres Container

What are the energy storage devices in Latvia



Overview

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In news from Europe's Baltic Sea region, Latvia's first utility-scale battery storage project has been commissioned, while Fotowatio Renewable Ventures (FRV) has entered the Finland market. In Latvia, developer Utilitas Wind announced the official opening of a 10MW/20MWh battery energy storage.

In Latvia, renewable energy sources account for a significant portion of the country's electricity generation, with a target of 57% by 2030 [1]. Hydroelectric power is the main source of renewable electricity in Latvia, followed by solar, wind and biomass cogeneration plants. In 2024, solar power.

The addition of two utility-scale battery energy storage systems (BESS) in Latvia marks the final milestone in synchronizing the Baltic power grids with continental Europe, according to the country's transmission system operator. Meanwhile, Estonia is advancing two major BESS projects, backed with.

Latvia's renewable energy capacity grew by 18% last quarter, but here's the kicker - nearly 30% of that potential gets wasted during low-demand periods [3]. With EU directives pushing for 45% renewable integration by 2030, the Baltic state faces a make-or-break moment. Enter energy storage.

Ever wondered how a Baltic capital keeps its lights on during those long, dark winters?

Let's talk about Riga's energy storage revolution – where medieval charm meets cutting-edge battery tech. As of 2025, Latvia's energy storage capacity has grown 300% since 2020, with Riga leading this charge. Where is the first battery energy storage system in Latvia?

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Why are energy storage systems important in Latvia?

Energy storage systems are an essential element of Latvia's path towards a sustainable and energy-independent future. The importance of these technologies is being recognized and invested in by a growing number of companies and public institutions.

What is the main source of renewable electricity in Latvia?

Hydroelectric power is the main source of renewable electricity in Latvia, followed by solar, wind and biomass cogeneration plants. In 2024, solar power in Latvia grew over 3.1 times to 6.7% of total electricity, becoming the third-largest source, while wind reached a record 38 GWh and hydropower, despite a 16% drop, still provided 54%.

How much energy does Latvia use?

Since 2011, total energy consumption has fluctuated around 4.3 Mtoe (4.2 Mtoe in 2024). Latvia does not have a refinery. It imports all its refined products by rail and pipeline from the Lithuanian refinery of Mazeikiai and Finland.

What is Latvia's recovery and Resilience Plan?

Latvia's Recovery and Resilience Plan plays a key role in the energy transition, supporting economic recovery through major investments in renewables like wind, solar, and biomass, as well as initiatives such as a 60 MW Battery Energy Storage System by 2026 and cross-border projects to synchronize with Continental Europe .

Who is responsible for the energy transition in Latvia?

Local authorities are responsible for municipal energy supply and renewable energy projects, with Latvia's energy transition guided by the National Energy and Climate Plan and the Energy Strategy 2050.

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