

## ContainerPower Energy Solutions

# Energy storage battery costs in Latvia



## Overview

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With battery storage prices in Latvia dropping by 18% since 2021 (see Table 1), both industrial users and residential consumers are adopting these solutions. Did you know?

Latvia aims to generate 50% of its electricity from renewables by 2030. Battery storage is key to achieving this without.

Latvia's transmission system operator Augstsprieguma tīkls (AST) has commissioned two utility-scale battery energy storage systems (BESS) in Rēzekne and Tume, describing the milestone as the final step in synchronizing the Baltic power grids with continental Europe. The 60 MW / 120 MWh battery in.

On November 1 Latvia's largest wind energy producer Utilitas Wind opened the first utility-scale battery energy storage battery system in Latvia with a total power of 10 MW and capacity of 20 MWh in Targale, Ventspils region. This autumn, the Battery Energy Storage System (BESS) will be connected.

Latvia's Energy Strategy 2050 outlines major changes in renewable energy production and storage, with significant investments planned in wind, solar, biomass, and biogas, as well as in energy storage technologies like batteries and subsurface systems to ensure supply stability [3]. National Energy.

This article breaks down the Latvian energy storage battery cost, explores key applications, and highlights trends shaping the market. Energy storage

batteries in Latvia serve diverse sectors: Renewable Energy Integration: Storing excess solar or wind power for later use. Industrial Backup:.

A growing demand in the energy market for battery energy storage system (BESS) technologies is developing currently, and the trend is expected to remain stable in the future. Similarly to solar energy and electromobility, this is a strategically new business area for Latvenergo, which is aiming to. When will battery energy storage systems be installed in Latvia?

The most recent update regarding BESS installations is that in Tume and Rēzekne, Latvia's transmission system operator "Augstsprieguma tīkli" (AST) in June 2025 installed battery energy storage systems with a combined capacity of 80 MW and 160 MWh, which will undergo testing until October 2025.

What is Latvia's first storage battery system?

In November 2024, Utilitas Wind Ltd inaugurated Latvia's first storage battery system with a capacity of 10 MW and 20 MWh in Targale, next to the existing wind park.

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.

How much does battery storage cost in Europe?

The landscape of utility-scale battery storage costs in Europe continues to evolve rapidly, driven by technological advancements and increasing demand for renewable energy integration. As we've explored, the current costs range from €250 to €400 per kWh, with a clear downward trajectory expected in the coming years.

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 does a lithium-ion battery storage system cost?

Recent industry analysis reveals that lithium-ion battery storage systems now average €300-400 per kilowatt-hour installed, with projections indicating a further 40% cost reduction by 2030. For utility operators and project developers, these economics reshape the fundamental calculations of grid stabilization and peak demand management.

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