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Latvia Energy Storage Power Station 2025

51.2V 150AH, 7.68KWH

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Overview

The project is located in the C ī rava area of Dienvidkurzeme, Latvia, and plans to construct a 400 megawatt peak photovoltaic power station and a supporting 600 megawatt hour battery energy storage system.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 Energy Strategy 2050?

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 .

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 many power stations are there in Latvia?

This article lists all power stations in Latvia. Additional to the three major hydroelectric plants, there are approximately 150-160 operational hydroelectric plants with capacity below 5 MW each. There are 19 operational wind farms in Latvia with capacity above 0.25 MW and 18 wind farms with capacity below 0.25 MW.

How many renewables are there in Latvia in 2023?

These targets should be easily reached as, in 2023, the share of renewables was 43.2% (of which 54.3% for electricity, 61.4% for heat, and 1.4% in transport). Latvia exceeded by 5 pp the target set by the European Directive for a share of 40% of renewables in 2020 in the final consumption.

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