

Latvia has hybrid energy solar container communication stations





Overview

What is Latvia's energy system?

Latvia's energy system is largely based on renewable resources, primarily hydropower from the Daugava River, supplemented by wind, solar, and biomass. While natural gas imports cover energy shortages, the country aims to increase wind and solar energy capacity, with significant progress already made in 2022.

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.

Does Latvia have an electricity grid?

Synchronization of the Baltic states with the European electricity grids and desynchronization from the Russian unified energy system. The electricity grid in Latvia, however, is primarily managed by Sadales tīkls, the largest distribution system operator that serves 99% of the country's territory.

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%.



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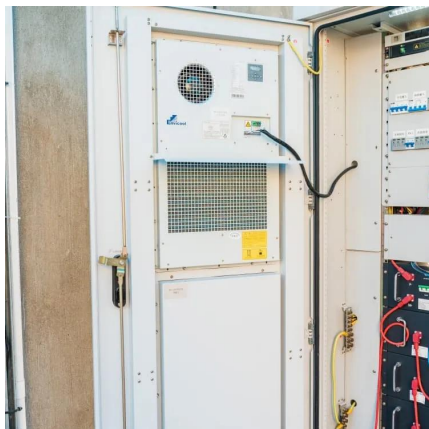
[SUNOTEC seals Latvian hybrid solar investment in landmark ...](#)

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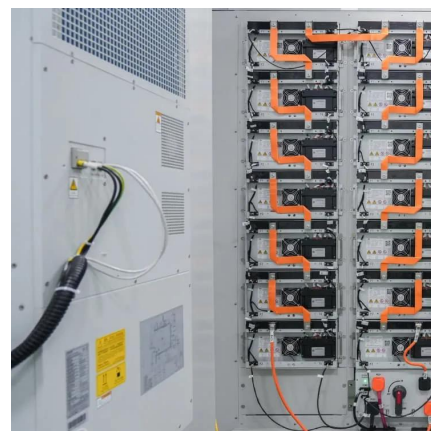
LATVIA CONTAINER ENERGY STORAGE PROJECT

Targale, Latvia -- On November 1, 2024, Targale Wind Park held its grand opening, unveiling Latvia's first major energy storage facility. Hoymiles, as a key technology supplier, played a ...



EBRD supports large-scale hybrid solar energy rollout in Latvia

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Energy infrastructure in Latvia

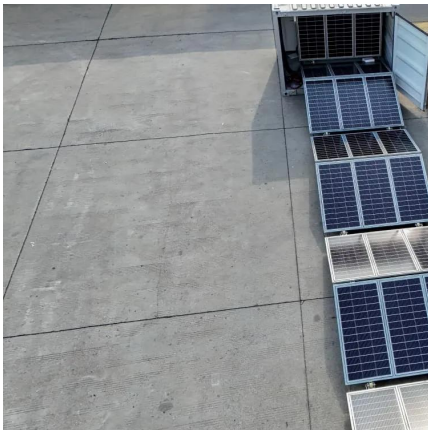
Oct 26, 2024 · The Latvian transmission system operator, JSC "Augstsprieguma tīkls," (AST) has signed agreements with 12 wind and solar power developers to connect renewable energy ...





[European Energy Secures EUR37.9 Million Financing for Latvia's ...](#)

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[Major hybrid solar energy projects in Latvia granted EUR35.2m ...](#)

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[EBRD Backs Large-Scale Hybrid Solar Energy Rollout In Latvia ...](#)

Aug 6, 2025 · The funding will support the development of four hybrid solar parks in Latvia, making it one of the most significant renewable energy projects in the country to date. These ...



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