



FTMRS SOLAR

Off-grid cost of containerized solar energy storage in Latvia





Overview

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 .

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.

Do PV systems provide energy independence in the Baltic states?

Despite the PV installed capacity and the increase in energy production in the Baltic States, the existing capacities are insufficient to ensure complete energy independence. Table 1 shows the generators of electricity production from PV systems in 2022. Table 1. Overview of the generators of electricity production from PV systems in 2022 [24, 25].



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Latvia Containerized Solar Generators Market (2025-2031)

Market Forecast By Type (Off Grid, Grid Connected), By Storage Capacity (10 - 40 KWH, 40 - 80 KWH, 80 - 150 KWH, More than 150 KWH), By Application (Commercial, Residential, ...)

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Estimation of LCOE for PV electricity production in the Baltic ...

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