

PDEOZE PowerContainer

Latvia solar container substation



Overview

Located in Dienvidkurzeme Municipality's Cīrava Rural Territory, the solar-plus-storage complex will connect to the national grid via a purpose-built 330 kV substation near Padure. Construction of the substation begins this July, while on-site civil works are slated to start by year-end. 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.

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 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.

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 .

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Planning a solar factory in Latvia? Our technical checklist for site selection helps you evaluate power, water, and grid connections to avoid costly delays.

The project site, situated in the Cirava Rural Territory within Dienvidkurzeme municipality, includes the construction of the Padure 330kV substation connecting it to Latvia's national grid via high-voltage lines. ...

Utilizing container units provides a more versatile, cost-effective way to support the growth of renewable energies. Niam and Evecon will deploy 84MW of solar power and 26MW of energy ...

The total construction costs of the solar park are estimated at up to EUR 135 million. The solar park project involves the construction of a substation, "Cirava", with a connection to a 330 kV high-voltage line of the Latvian ...

Given Latvia's high share of renewable electricity, the need for electricity storage technologies will increase significantly. However, there are also challenges, such as the need for additional investment in grid ...

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For Latvia's energy storage sector, the time to act is now. With the right mix of innovation and investment, this Baltic tiger could become Europe's quiet leader in grid resilience tech.

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