

# Electrification of energy storage batteries in Latvia



## Overview

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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 "Augstsprīguma 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.

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 battery systems important for Latvenergo?

Battery systems play a crucial role in balancing the production volumes of Latvenergo and improving the flexibility of consumption. Chief Financial Officer of Latvenergo Guntars Balčūns: "This investment in battery systems is an important step in the development of our energy sector and long-term sustainability.

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### Latvia's largest battery energy storage system unveiled

This autumn, the Battery Energy Storage System (BESS) will be connected to the Latvian electricity transmission system, contributing. The total project investments amount to ...

### Rolls-Royce to supply 160 MWh of battery ...

The two grid-scale battery energy storage systems will be connected in autumn 2025, aiding Latvia's synchronization with the ...



### Latvia: Latvenergo to deploy ...

A solar PV plant in Latvia that Latvenergo deployed via subsidiary Elektrum. Image: Latvenergo. Latvia state-owned utility and ...

### Rolls-Royce to supply 160 MWh of battery storage to Latvian ...

The two grid-scale battery energy storage systems will be connected in autumn 2025, aiding Latvia's synchronization with the continental European power grid.



### **Latvia's largest battery energy storage system ...**

This autumn, the Battery Energy Storage System (BESS) will be connected to the Latvian electricity transmission system, contributing. ...

### **Latvia adds big batteries to complete grid sync with Europe, ...**

The addition of two utility-scale battery energy storage systems (BESS) in Latvia marks the final milestone in synchronizing the Baltic power grids with continental Europe, ...



### **Latvenergo invests heavily in battery systems, plans to ...**

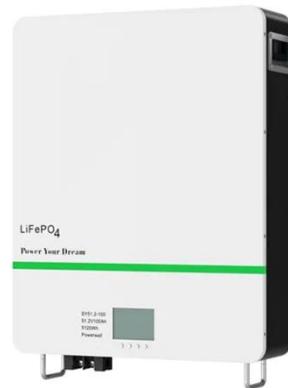
A growing demand in the energy market for battery energy storage system (BESS) technologies is developing currently, and the trend is expected to

remain stable in the future. ...



## Latvia's Energy Landscape Evolves with New Battery Storage ...

The opening event was attended by guests and dignitaries including Latvia's climate and energy minister Kaspars Melnis, who said that hybrid energy parks that combine ...



### Efficient Higher Revenue

- Max. Efficiency 97.5%
- Max. PV Input Voltage 600V
- 150% Peak Output Power
- 2 MPPT Trackers, 100% DC Input Oversizing
- Max. PV Input Current 16A, Compatible with High Power Modules

### Intelligent Simple O&M

- IP66 Protection Degree, support outdoor installation
- Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- DC & AC Type II SPD: prevent lightning damage
- Battery Reverse Connection Protection

### Flexible Abundant Configuration

- Plug & Play, EPS Switching Under 30ms
- Compatible with Lead-acid and Lithium Batteries
- Max. 4 Units Inverters Parallel
- AFI Function (Optional): when an arc fault is detected the inverter immediately stops operation

## Large-scale battery storage for a stable ...

Rolls-Royce has received an order from the Latvian transmission system operator Augstspreiņuma tikls (AST) to supply a ...

## Latvia: Latvenergo to deploy 250MW/500MWh BESS by 2030

A solar PV plant in Latvia that Latvenergo deployed via subsidiary Elektrum. Image: Latvenergo. Latvia state-owned utility and power generation

firm Latvenergo intends to ...



### **Large-scale battery storage for a stable Latvian power grid**

Rolls-Royce has received an order from the Latvian transmission system operator Augstsrieguma tikls (AST) to supply a large-scale mtu battery storage system to secure the ...

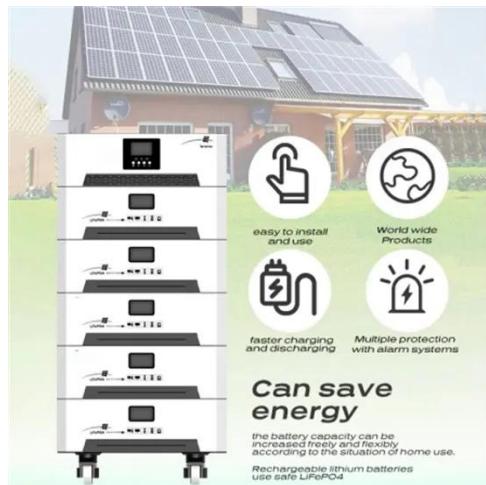
### **Latvia's path to energy transition: Expanding ...**

Latvia's Energy Strategy 2050 outlines major changes in renewable energy production and storage, with significant investments ...



### **Latvian Grid Energy Storage Project: Powering a Sustainable ...**

Discover how Latvia's innovative energy storage initiatives are reshaping grid stability and renewable integration. This deep dive explores technical



breakthroughs, market trends, and ...

## Latvia's path to energy transition: Expanding renewable energy ...

Latvia's Energy Strategy 2050 outlines major changes in renewable energy production and storage, with significant investments planned in wind, solar, biomass, and ...



## Latvia grid battery sync: Impressive 2025 power boost

The new battery systems are the key enabler for these goals. By providing robust grid stability and energy storage, they allow Latvia to integrate far more renewable energy and ...

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