

## European Solar Energy Storage

# List of finnish energy storage projects announced



## Overview

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Does Finland have energy storage?

This paper has provided a comprehensive review of the current status and developments of energy storage in Finland, and this information could prove useful in future modeling studies of the Finnish energy system that incorporate energy storages.

Which energy storage technologies are being commissioned in Finland?

Currently, utility-scale energy storage technologies that have been commissioned in Finland are limited to BESS (lithium-ion batteries) and TES, mainly TTES and Cavern Thermal Energy Storages (CTES) connected to DH systems.

Where is the largest battery energy storage system in Finland?

SEB Nordic Energy's portfolio company Locus Energy, in collaboration with Ingrid Capacity, proudly announces the groundbreaking of one of Finland's largest battery energy storage system (BESS) in Nivala Municipality, Northern Ostrobothnia.

Are energy storage systems a solution to Finland's energy transition?

Energy storage systems offer a solution. "This groundbreaking is an important moment for Finland's energy transition and a concrete step toward a more flexible, resilient, and decarbonized energy system," said Jussi Jyrinsalo, Senior Vice President at Fingrid.

Is energy storage the future of wind power generation in Finland?

Wind power generation is estimated to grow substantially in the future in Finland. Energy storage may provide the flexibility needed in the energy transition. Reserve markets are currently driving the demand for energy storage systems. Legislative changes have improved prospects for some energy storages.

Is energy storage a viable solution for the Finnish energy system?

This development forebodes a significant transition in the Finnish energy system, requiring new flexibility mechanisms to cope with this large share of generation from variable renewable energy sources. Energy storage is one solution that can provide this flexibility and is therefore expected to grow.

## List of Finnish energy storage projects announced

### Ardian invests in 38.5 MW Finnish BESS project

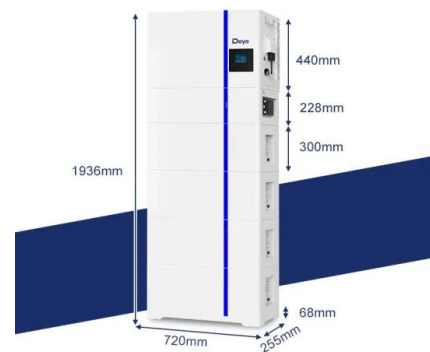
Mertaniemi battery energy storage project is a joint venture between ACEEF and Lappeenranta Energia, a Finnish municipal energy company. It will see the development of a 1-hour 38.5 MW energy storage ...



### Technologies for storing electricity in medium

This report provides an initial insight into various energy storage technologies, continuing with an in-depth techno-economic analysis of the most suitable technologies for Finnish conditions, namely solid mass energy storage and power-to-hydrogen, with its derivative technologies.

#### ESS



### Finnish renewables firm Winda Energy embarks on first storage ...

Finnish renewables developer Winda Energy Oy has announced its first energy storage initiative, an industrial-scale 30-MW/60-MWh battery project in the Finnish municipality of Rautavaara.



### Groundbreaking ceremony marks commencement of ...

SEB Nordic Energy's portfolio company Locus

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## One of Finland's largest energy storage facilities commissioned in

The energy storage facility delivered by Merus Power to Lappeenranta, Finland, has been completed and put into market use on 15 May 2025. The energy storage facility is owned by a joint venture between Ardian's Clean Energy Evergreen Fund and the local energy provider Lappeenrannan Energia.



## Ardian invests in 38.5 MW Finnish BESS project

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## A review of the current status of energy storage in Finland ...

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## Finland Power Storage Base: Innovations, Trends, and Case ...

With projects ranging from underground thermal vaults to cutting-edge battery systems, Finland's approach to energy storage is about as diverse as its famous midnight sun phases.

## Groundbreaking ceremony marks commencement of one of Finland...

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(BESS) in Nivala Municipality, Northern Ostrobothnia.



## Development of the Finnish energy storage group

Finland is expected to operate more than 300MW of grid-scale battery energy storage systems in the next two years, according to data from LCPDelta's StoreTrack database.

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