



**SolarTech Power Solutions**

# **Swedish wind solar and energy storage project**



## Overview

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SENS develops, designs, builds and sells large-scale energy projects by combining next-generation energy storage technologies: underground pumped storage (UPHS) and battery systems (BESS) with energy from solar and wind power. Who will build a 20MW battery energy storage system in Sweden?

In a double whammy of Sweden BESS market news, developer SENS has secured the land for a 40MW project while system integrator Alfen will deploy a 20MW system at a wind farm. Netherlands-headquartered Alfen will provide its TheBattery Elements grid-scale battery energy storage system (BESS) product for a wind farm operated by Vasa Vind.

How do solar & wind installations work in Sweden?

The solar and wind installations are connected to Sweden's electricity grid using one connection point, which European Energy says reduced the costs of constructing and operating the park. "The advantage of combining solar and wind is that they have different production times," explained Peter Braun, Country Manager for European Energy in Sweden.

When will a battery energy storage system be built in Sweden?

Construction has begun on Sweden's largest Battery Energy Storage System (BESS) undertaken by Neoen, an Independent Power Producer and Nidec, a system integrator. The project has been projected to come online in early 2025. Neoen is headquartered in Paris.

How many large-scale energy storage systems are there in Sweden?

The initiative, led by Ingrid Capacity in collaboration with BW ESS, consists of 14 large-scale energy storage systems with a total capacity of 211 MW/211 MWh. This milestone investment represents a significant step toward Sweden's goal of achieving a carbon-neutral energy system.

What is the largest battery energy storage system in Sweden?

Named Isbillen Power Reserve, the 1-hour duration Battery Energy Storage System project will be the largest in Sweden and the largest in the Nordics by megawatt (MW) power. The largest by megawatt-hours energy capacity in the Nordics will be a 2-hour project in Finland that Neoen recently started building.

Who are the most active solar developers in Sweden?

SENS is one of the most active developers in the Swedish market, with a 550MW portfolio of solar and BESS projects including 40MW and 50MW projects it secured land for late last year.

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