

## A-Core Container

# Nordic base station energy storage equipment hybrid power supply



## Overview

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What is the largest energy storage park in the Nordic region?

Romina Pourmokhtari, Sweden's Minister for Climate and Environment, officially inaugurated the largest energy storage park in the Nordic region. 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.

What are energy-based storage devices?

According to their power range and autonomy time, the energy-based storage devices cover specific PQ and regulation demands, bridging power services, and energy management support. The time response is an aim factor for power-based storage applications since it refers to the capability of the fast charge and full discharge in operation.

What is the largest energy capacity in the Nordics?

The largest by megawatt-hours energy capacity in the Nordics will be a 2-hour project in Finland that Neoen recently started building. It has a capacity of 112.9MWh, and that is also set to come online at the start of 2025.

What is a hybrid energy storage system (Hess)?

The complement of the supercapacitors (SC) and the batteries (Li-ion or Lead-acid) features in a hybrid energy storage system (HESS) allows the combination of energy-power-based storage, improving the technical features and getting additional benefits.

What is a Hess Energy Supply?

The HESS represents an option for a secure, stable, and uninterruptible energy supply capable of providing additional services directly and collaterally (i.e., PQ support, backup systems, or economic benefits from the sale of energy, among others).

How many energy storage facilities will Ingrid capacity build in Sweden?

Ingrid Capacity plans to build an additional 13 energy storage facilities in Sweden by the end of 2024, with a total capacity of 196 MW/196 MWh. By the second half of 2025, the company aims to have over 400 MW/400 MWh of flexible resources in the Swedish electricity grid.

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