

SolarInnovate Energy Solutions

Irish energy storage battery project construction



Overview

Statkraft has announced that it is to build Ireland's first four-hour grid-scale battery energy storage system (BESS) in Co. Offaly. How much battery storage do we need in Ireland & Northern Ireland?

In 2021 energy experts Baringa estimated that to hit the 80 per cent renewable electricity targets in Ireland and Northern Ireland by 2030 we would need at least 1,700 MW of battery storage on the island of Ireland. Every battery storage project connected makes our electricity grid more secure and helps to integrate wind and solar power.

How will a battery-based energy storage system affect energy security in Ireland?

In addition, by participating in the capacity market, the project will have a positive impact on energy security in Ireland. This battery-based energy storage system is designed to provide 20MW for up to four hours. Most grid-scale batteries currently deployed in Ireland range from 30 minutes to two hours of energy storage capacity.

Where is Ireland's first grid-scale battery energy storage system based?

Statkraft has announced that it is to build Ireland's first four-hour grid-scale battery energy storage system (BESS) in Co. Offaly. The 20MW BESS, supplied by global market leader in utility-scale energy storage solutions and services, Fluence, will be co-located with Statkraft's 55.8MW Cushaling Wind Farm.

How long can a battery storage system last in Ireland?

This battery-based energy storage system is designed to provide 20MW for up to four hours. Most grid-scale batteries currently deployed in Ireland range from 30 minutes to two hours of energy storage capacity. The longer the duration of battery energy storage capacity, the more benefits it can offer.

Does SSE have a battery storage system in Ireland?

SSE has grown its secured battery energy storage system (BESS) pipeline in Ireland to 300MW with the acquisition of the 120MW/240MWh Thornsberry BESS project near Tullamore, County Offaly. Pictured is the company's 50MW battery storage facility in Wiltshire, England.

Which battery energy storage systems are available in Ireland?

The Kylemore Battery Energy Storage System in Dublin went into operation in 2023 and has the capability of providing 30MW of fast-acting storage. The South Wall Battery Energy Storage System went live in 2023 and has the capability of providing 30MW of fast-acting energy storage.

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Public Consultation For Tinnycross Battery Energy Storage ...

May 1, 2025 · A public consultation for the proposed Tinnycross battery energy storage system (BESS), to be located north-east of Tullamore, County Offaly, will be held on Thursday, May 8.

Statkraft completes second energy storage project in Ireland

Apr 15, 2021 · Norwegian utility and one of Europe's leading renewable energy producer Statkraft has announced the completion of construction of its second large-scale battery project in Ireland.



SSE wins consent for 80-MW battery project in Ireland , Energy Storage

May 6, 2025 · To be equipped with between 26 and 38 battery units, the facility will be capable of storing enough electricity to supply over 75,000 homes for up to two hours. The final delivery ...

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