

## PDEOZE PowerContainer

# Energy storage on the Irish grid



## Overview

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The Electricity Storage Policy Framework 2024, published in July 2024, aims to harness the full potential of the role storage plays in supporting grid stability, boosting renewable energy usage, and providing economic opportunities. Should 'long duration' electricity storage systems be integrated into Ireland's Electricity Grid?

In this regard, greater emphasis is placed on ensuring 'long duration' electricity storage systems – systems that have the capacity to deliver electricity throughout at least a four-hour period – are integrated into Ireland's electricity grid.

Will Ireland need more energy storage?

With a target of 80% renewable electricity from intermittent sources on our grid by 2030, Ireland will require a significant amount of energy storage in the years to come.

What is Ireland doing about battery & storage?

With a recent policy statement, Ireland is seeking to accelerate the growth and integration of battery and other storage systems into Ireland's electricity grid.

What is Ireland's Electricity storage policy framework?

The policy framework is a first of kind policy, which clarifies the key role of electricity storage in Ireland's transition to an electricity-led system, supporting Ireland's 2030 climate targets, it may be considered as a steppingstone on Ireland's path to net zero carbon emissions.

When will long duration energy storage be available in Ireland?

The Irish Electricity Storage Policy Framework, published after this data was collected, indicates that an immediate route to market for 500 MW of long duration energy storage is currently being developed, with further studies

planned to support long duration storage from 2030 to 2040 (Government Of Ireland 2024a).

Are there policy barriers to energy storage in Ireland?

This reflects the findings of (Haji Bashi et al., 2022) which indicate the existence of significant policy barriers in the development of energy storage in Ireland and research which highlights gaps in public knowledge on the topic of energy storage (Zaunbrecher et al., 2016).

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