

The UK s future new energy storage





Overview

What is the future of battery storage in the UK?

Overall, battery storage in the UK is seeing sustained growth and shows a promising future. Over 70GWh of approved projects are due to be connected to just the transmission network by the end of 2030, well over the Clean Power 2030 goal.

How big is battery energy storage in the UK?

Currently in the UK, there is 1.6 GW of operational battery storage capacity mostly with 1-hour discharge duration, i.e. 1:1 ratio of energy to power, GWh to GW. The maximum installed volume of PHS is 25.8 GWh with 2.74 GW of capacity, a much higher ratio. In recent years, there has been a surge in the pipeline of battery energy storage projects.

When will energy storage infrastructure be scaled up in the UK?

This marks the first major government-backed effort in over four decades to scale up long-duration energy storage infrastructure in the UK. Application window now open: Developers must submit intent to apply by 22 April 2025, with final applications due by 9 June 2025.

How much battery storage will the UK have by 2030?

The UK government is aiming to build up to 27 gigawatts of battery storage by 2030 (in 2023, battery capacity was estimated to be around 5 gigawatts). There are applications totalling 59 gigawatts of battery storage in the connections queue for 2030.



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