

# **UK Manchester Bureau Distributed Energy Storage**





## Overview

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How much battery storage capacity does the UK have?

With over 9GWh of operational grid-scale battery storage capacity in the UK, it's worth identifying its regionality and how this is changing.

How many battery storage projects are there?

The pipeline of battery storage projects has continued to grow steadily again, from 84.4GW in December 2023 to 95.5GW in May 2024. This edition of the EnergyPulse report on Energy Storage shows there is 8.7GW of batteries in operation and under construction and more than 30GW projects have now been consented.

Where is transmission entry capacity in England?

29% of capacity under construction in England is in the West Midlands. This is helped by the large projects in development here, such as Penso Power's Hams Hall Battery and Atlantic Green's Cellarhead energy storage project. Looking at the Transmission Entry Capacity (TEC) register is also a useful way to gauge when projects may come online.

How many battery storage projects will be connected in 2025?

According to the TEC register, over 3GW of standalone battery storage projects are due to be connected in 2025, but nearly 75% of the total is due for connection after 2030. Overall, regardless of where a site is located, a general trend in the UK is the move towards larger project sizes.



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**A Market Assessment of Distributed Battery Energy Storage ...**

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### University of Manchester researchers working to solve UK energy storage

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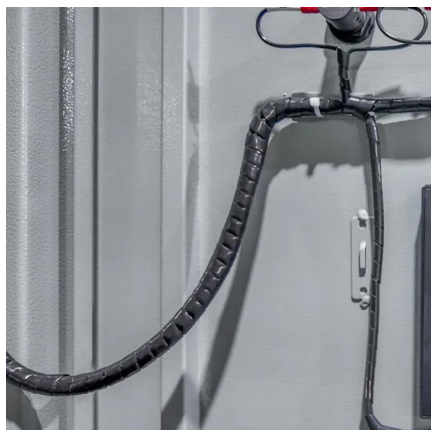


### Greater Manchester becomes home to 30 MW battery storage ...

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### [BESS: Storing Potential for the UK's Energy Future](#)

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A British green energy developer has defied the gloom that has swept across the sector by drawing up plans to build in Manchester one of the largest battery storage projects in Europe, ...



### [Balance Power Gains Approval for 30MW Battery Storage ...](#)

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