



WALMER ENERGY

# London New Energy Battery Storage





## Overview

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What is the future of battery energy storage systems (Bess) UK & Europe?

As electrification accelerates and renewables expand across Europe, grid congestion and limited connection capacity pose growing challenges - particularly for new BESS. Our new report, Future of Battery Energy Storage Systems (BESS) UK & Europe, analyses the BESS sector across ten major UK and European jurisdictions.

Can a battery storage project transform the UK's energy landscape?

Projects like these can transform the energy landscape by producing 24/7 renewable power supply at utility scale. Yet in the UK, it is a different story. Deployment has been sluggish. Since 2021, when Masdar decided to invest £1bn in 3GWh of battery storage projects nationwide, progress has been stifled by systemic constraints.

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.

Should battery storage be developed at scale across Europe?

Lead author Research Fellow Claudia Brown (UCL Bartlett School of Environment, Energy & Resources) added: "Developing battery storage at scale across Europe is essential if we are to decarbonise the electricity system at pace.



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Gridserve lands new batteries at London Gatwick Electric ...

Apr 16, 2025 · Gridserve and UK Power Networks have connected a new Battery Energy Storage System to the electricity network, supporting EV charging at London Gatwick Electric Forecourt.

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UK energy storage pipeline report 2024

Jan 5, 2024 · The pipeline of battery storage projects has continued to grow steadily again, from 84.4GW in December 2023 to 95.5GW in May 2024. ...

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London Energy Storage Case: Powering the Capital's Green ...

Jun 19, 2023 · A rainy Tuesday afternoon in London, and somewhere beneath the city's iconic red buses and black cabs, giant battery systems are playing hide-and-seek with renewable ...

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Letter: Why UK must embrace battery energy storage

Apr 9, 2025 · The solution isn't slowing renewable deployment -- it's accelerating the rollout of battery energy storage systems (BESS).

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Future of Battery Energy Storage Systems (BESS) UK

Sep 26, 2025 · Battery energy storage system (BESS) technology is now widely recognised as a key enabler of grid flexibility and system stability. As electrification accelerates and renewables ...

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Top 7 Commercial Battery Energy Storage Projects in UK 2025

2 days ago · The UK's battery storage sector is charging ahead at an incredible pace. Since 2020, operational capacity has increased by 509%, climbing from 1,128 MW to 6,872 MW in 2025.

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Battery storage supporting renewable energy ...

Sep 23, 2025 · Storing renewable energy in large batteries to help balance the energy market is technically feasible at large scale across the UK and ...

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18 Top Energy Storage Companies in London · November 2025

Nov 1, 2025 · Detailed info and reviews on 18 top Energy Storage companies and startups in London in 2025. Get the latest updates on their products, jobs, funding, investors, founders ...

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New London-based company targets growth in UK energy storage ...

Jun 27, 2025 · A new energy company, ep Pixii, has been launched in London through a partnership between UK firm ep Group and Norwegian battery specialist Pixii. The joint ...

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Battery storage connected at London Gatwick ...

Apr 17, 2025 · GridServe and UK Power Networks have announced they have connected a new



battery energy storage system to the electricity ...

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Battery storage connected at London Gatwick Electric ...

Apr 17, 2025 · GridServe and UK Power Networks have announced they have connected a new battery energy storage system to the electricity network, to support EV charging at London ...

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New London-based company targets growth ...

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Battery storage supporting renewable energy is necessary ...

Sep 23, 2025 · Storing renewable energy in large batteries to help balance the energy market is technically feasible at large scale across the UK and EU, but it needs to overcome financial ...

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UK energy storage pipeline report 2024 , RenewableUK ...

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