

# Energy storage ratio of ground power stations in the uk



## Overview

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For PDF chapters and Excel tables of the 2025 edition, please see the energy sector statistics specific collection webpage. This series brings together all documents relating to the Digest of United Kingdom Energy Statistics (DUKES). The digest, sometimes known as DUKES, is an essential source of energy information. 79% of this capacity is in England, 16% in Scotland, 3% in Northern Ireland and the . This is produced by Elexon who run the wholesale electricity market and provide data publicly through a web service or API. BMRS's figures only include real time metered generation, and not embedded generation (see below for more info) and so additional data is obtained from National Grid (NG) ESO . The Regional Energy Dashboard transforms a wide range of datasets from our Data Catalogue into a clear visual regional view. Of the energy total in 2024 electricity (including renewables) accounted for 56%, gas accounted for 22% and oil and gas extraction accounted for 16%. 6 billion (at current prices) was 28% higher than in 2023. Of the total invested electricity . With more than 9GWh of operational grid-scale UK battery energy storage systems (BESS) capacity along with a strong pipeline, it is worth identifying the hotspot of the region and how the spectrum may evolve in the years to come.

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### [Stacking up the storage: where the UK battery market stands in 2025](#)

In December 2024, EnergyPulse published our inaugural blog post summarising the battery storage pipeline in the UK. With RenewableUK's highly anticipated Future Energy System

### **The UK's Energy Storage Capacity: Are We On-Track to Support**

The UK's Energy Storage Capacity: Discover whether we are on-track to support electrification.



### **Digest of UK Energy Statistics (DUKES)**

This series brings together all documents relating to the Digest of United Kingdom Energy Statistics (DUKES).

### [UK Energy Storage: The Systems Powering Britain's Green Future](#)

The UK's journey to net zero will be impossible without large-scale energy storage. As renewables like wind and solar become dominant sources of electricity, storing excess power and deploying it when



### **Energy Dashboard - GB Electricity**



## The Evolving UK Battery Energy Storage Systems Market

Let us delve into the regional divide of energy storage in the UK and also look into both operational capacity as well as the pipeline. The data shows that there are three different regions that lead to



## UK ENERGY IN BRIEF 2025

Both ratios have fallen steadily, with the energy ratio declining by around 21/2% per year and the carbon ratio declining at a faster pace of just over 31/2% per year.



## UK Grid Live

## Data

Live and historical GB electricity generation & demand data, carbon emissions and UK generation sites mapping with an API subscription service.



## Electricity generation in the UK

Find the most up-to-date statistics about electricity production in the United Kingdom (UK)



## Embedded Capacity Register 2

The ECR dataset provides comprehensive information about generation, storage, and flexible demand resources connected to the electricity distribution network. This dataset is crucial for

Live UK electricity grid data every 5 minutes:  
carbon intensity, renewables, prices, generation  
mix, interconnectors and grid frequency for  
Great Britain.



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