

Price of energy storage batteries for base stations in the UK





Overview

Are battery energy storage systems the UK's future?

The UK's energy landscape is undergoing an unprecedented transformation, with renewables supplying ever-more of our electricity and demand for electricity growing, which means an increased need for flexible storage assets like battery energy storage systems (BESS). But what battery assets does the UK boast currently?

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Is there a battery storage pipeline in the UK?

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 event just around the corner on 10 September, we thought it would be helpful to provide an update to the pipeline figures.

What is a battery energy storage system?

The battery energy storage systems are used to regulate voltage and frequency, reduce peak demand charges, integrate renewable sources, and provide a backup power supply. Batteries play a crucial part in energy storage systems and are responsible for around 60% of the total cost of the system.

How much battery storage does the UK have?

At present, the UK has more than 6.8GW/10.5GWh of operational battery storage. 79% of this capacity is in England, 16% in Scotland, 3% in Northern Ireland and the remaining 2% in Wales. In 2025 to date, approximately 1,405MW of new battery storage capacity has been commissioned, already surpassing the 2024 total of 1,249MW.



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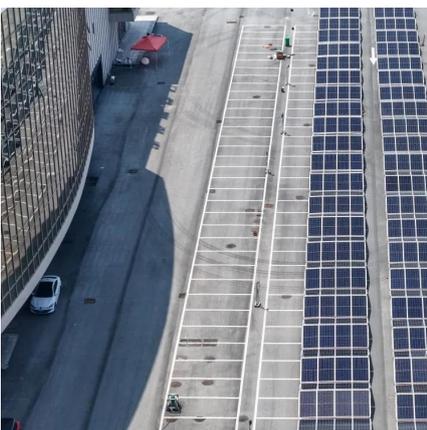
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