

## SolarInvert Energy Solutions

# London energy storage project construction



## Overview

---

InterGen has gained planning permission for a 320MW / 640MWh lithium-ion battery site at DP World London Gateway, a new port and logistics centre on the Thames Estuary in Essex, south-east England. How has energy storage changed in the UK?

RenewableUK's 'EnergyPulse' energy storage report showed that the total pipeline of battery projects has increased from 50.3GW a year ago to 84.8GW, an increase of 68.6 per cent, or 34.5GW. Operational battery storage capacity has grown to 3.5GW, while the capacity of projects under construction has reached 3.8GW.

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.

Could energy storage save £10 billion a year?

The Department for Business, Energy & Industrial Strategy has said that technologies "such as electricity storage could save up to £10 billion per year by 2050 by reducing the amount of generation and network needed to decarbonise and create 24,000 jobs". Which are the 5 biggest UK energy storage projects?

.

What is electro-mechanical battery storage & how does it work?

Located in Abingdon, England, the UK, the electro-mechanical battery storage project uses flywheel storage technology, which works by accelerating a rotor to a very high speed and maintaining the energy in the system as rotational energy. It is the only project in the top five that is not a lithium-ion battery.

The project is owned by EFDA-JET. 3.

Will the UK add more energy storage capacity in 2022-2031?

Wood Mackenzie has predicted that the UK will add 25.68GWh of new grid-scale energy storage capacity during the period 2022-2031, more than twice the amount that will be added by Europe's second fastest-growing market, Italy. More due diligence required in future.

Will there be a surge in battery energy storage projects?

There will be a potential surge in battery energy storage system (BESS) projects receiving grid connection offers before 2030 following regulatory reforms approved by energy regulator Ofgem, according to a new study.

## London energy storage project construction

---



**2MW / 5MWh  
Customizable**

### The evolving regionality of the UK battery ...

Apr 16, 2025 · Charlotte Gisbourne of Solar Media Market Research looks at the patterns of regional disparities in the UK grid-scale BESS market. With over ...

[Get Started](#)

### UK energy storage in 2024: What's the state of ...

Jan 4, 2024 · RenewableUK's 'EnergyPulse' energy storage report showed that the total pipeline of battery projects has increased from 50.3GW a year ago to ...

[Get Started](#)



### RPC consolidates its UK storage strategy through acquisition ...

Feb 27, 2024 · Renewable Power Capital (RPC) has completed the acquisition of a 57MW ready-to-build battery storage project in the UK. With this deal, RPC adds its first shovel-ready ...

[Get Started](#)



## UK's largest battery storage project at 640MWh ...

Nov 30, 2020 · InterGen has gained planning permission for a 320MW / 640MWh lithium-ion battery site at DP World London Gateway, a new port and logistics ...

[Get Started](#)



## Elements Green bags GBP 140m for 360-MW battery in UK

Jul 25, 2025 · London-based solar and battery storage developer Elements Green has secured GBP-140-million (USD 190m/EUR 161m) in financing for its 360-MW/720-MWh Staythorpe ...

[Get Started](#)

## Quinbrook Starts Construction of UK's Largest ...

London - 25 April 2023 - Quinbrook Infrastructure Partners ("Quinbrook"), a specialist global investment manager focused exclusively on the infrastructure ...

[Get Started](#)



## UK's largest battery storage project secures ...

Jan 30, 2025 · Edinburgh, UK: Fidra



Energy, a European battery energy storage system (BESS) platform headquartered in Edinburgh, UK, has secured ...

[Get Started](#)

## 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. This ...



[Get Started](#)



## UK reaches 6GW/8GWh of operational grid-scale ...

Feb 3, 2025 · The grid-scale BESS market in the UK continues to steam ahead with over 8GWh online and nearly 20GWh being built.

[Get Started](#)

## What next for UK battery storage? , 2024 Insight

Aug 23, 2024 · Co-location, innovation, and project size will all be key factors for

batteries in the UK's growing energy mix.

[Get Started](#)



## £220m funding secured for Eccles 400MW ...

18th March 2025 - London, UK Zenob?, the battery storage and fleet electrification specialist, has today announced one of the largest standalone ...

[Get Started](#)

## UK: over 17GWh of BESS due to connect to grid ...

Feb 20, 2025 · The 500MW/1,000MWh Coalburn project in Scotland, UK, currently under construction. Image: CIP. Despite a 12% year-on-year fall in ...

[Get Started](#)



## RPC consolidates its UK storage strategy through acquisition ...





Feb 27, 2024 · RPC consolidates its UK storage strategy through acquisition of first construction-ready project  
Renewable Power Capital announced acquisition of 57MW battery storage ...

[Get Started](#)

## UK Roundup: Developers net large-scale BESS ...

May 20, 2025 · Eku, Alcemi, Field and Energy Optimisation Solutions (EOS) make UK project progress with finance and planning approvals.

[Get Started](#)



## Statera acquires 1360 MWh battery project in ...

Jan 10, 2025 · UK-based developer Statera Energy has acquired a 680 MW/1360 MWh battery energy storage project in Greater Manchester from Carlton ...

[Get Started](#)

## Ørsted begins construction of 600MWh BESS at ...

Mar 7, 2025 · The ground-breaking ceremony for the project, which is set to



be completed in late 2026. Image:  
Ørsted. Ørsted has broken ground on a  
battery ...

[Get Started](#)



## Chinese Companies Develop Europe's Largest ...

Aug 27, 2020 · The largest energy storage project in Europe developed by China Huaneng Group Co., Ltd.--the British Mendi Battery Energy Storage Project ...

[Get Started](#)

## Work starts on UK's largest battery energy storage project

6 days ago · Fotowatio Renewable Ventures (FRV), part of Abdul Latif Jameel Energy, and Harmony Energy have announced the launch of the UK's largest battery storage development ...

[Get Started](#)



## Fire at Statera BESS project in England brought ...

Feb 24, 2025 · A map of the Tilbury area. Statera's Thurrock BESS project is north



LFP 280Ah C&amp;I

of the Tilbury substation. Image: Google Maps, Airbus, Landsat / ...

[Get Started](#)

## Statera takes 'UK's biggest battery storage project' title with ...

6 days ago · Statera takes 'UK's biggest battery storage project' title with 300MW project in Essex Statera Energy has begun operating the biggest BESS project in the UK, connected to a ...


[Get Started](#)

## Announces the construction of UK's largest BESS ...

Jul 18, 2022 · It also follows the completion of FRV's Dorset-based Holes Bay battery energy storage project, which has a capacity of 7.5 MW / 15 MWh. The ...

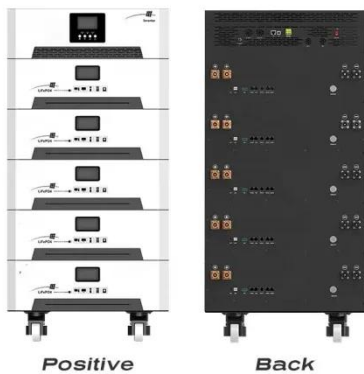

[Get Started](#)

## Statera Energy buys 680-MW UK battery project from ...

Jan 10, 2025 · UK energy storage

developer Statera Energy said on Thursday it has acquired a 680-MW battery energy storage system (BESS) project, Carrington Storage, located at ...

[Get Started](#)



## Shanghai Electric's Energy Storage and PV ...

LONDON, Jan. 4, 2024 /PRNewswire/ -- Shanghai Electric (SEHK:2727, SSE:601727) announced its achievement in the energy storage business that ...

[Get Started](#)

## SSE Renewables begins construction of 640MWh ...

Oct 9, 2024 · Construction of the Monks Fryston BESS officially started yesterday (8 October), as confirmed by a ceremony that included project partners ...

[Get Started](#)



## Site safety measures help limit spread of fire at ...

Feb 24, 2025 · A fire at an under-construction, utility-scale battery energy



storage system (BESS) close to London in Thurrock, Essex, was safely brought under ...

[Get Started](#)

---

## Mitie and Elements Green get building on 720 ...

Aug 15, 2025 · Mitie and Elements Green get building on 720 MWh Staythorpe battery storage project in the UK  
Construction has begun on the £71.5 million ...



[Get Started](#)



---

## Three BESS projects in UK granted approval, as ...

Nov 9, 2024 · The Scottish government has given Kona Energy the green light for the construction and operation of the Smeaton battery energy storage system ...

[Get Started](#)

---

## Shanghai Electric's UK Triumph: Leading the Way in Energy Storage ...

Jan 4, 2024 · Shanghai Electric  
(SEHK:2727, SSE:601727) proudly  
announces significant achievements in  
its UK-based energy storage and  
photovoltaic (PV) ventures, underscoring  
...

[Get Started](#)



---

## Contact Us

For catalog requests, pricing, or partnerships, please visit:  
<https://www.persianasaranda.es>