

# 720MWh energy storage project





## Overview

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Mitie Power & Grid and renewables developer Elements Green have begun construction on the 360 MW / 720 MWh Staythorpe battery energy storage system (BESS) in Newark, Nottinghamshire, approximately 180 kilometers north of London. What is the 720mwh Bess project?

Driving the Future of Clean Energy As the UK progresses toward its net-zero targets, this 720MWh BESS project will play a pivotal role in mitigating renewable energy curtailment, enhancing grid flexibility and safety, and reducing reliance on fossil fuels.

Why did elements green sign 720mwh Bess supply agreement with hithium?

Signing Ceremony of 720MWh BESS Supply Agreement between Elements Green and HiTHIUM "This partnership with Elements Green is a testament to HiTHIUM's unwavering commitment to innovation and sustainability," said Mizhi Zhang, President of Global Business at HiTHIUM.

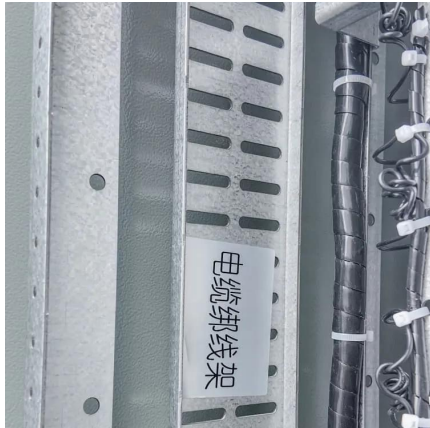
What is a 5MWh Bess container?

The 5MWh BESS containers, developed with HiTHIUM's 314Ah prismatic cells, exemplify the company's engineering-first approach to energy storage: About HiTHIUM



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### [Elements Green Secures Planning Consent for 360MW BESS](#)

Jun 25, 2024 · Solar and energy storage developer Elements Green has secured planning permission for its Staythorpe battery energy storage system (BESS). The project will have a ...

### [HiTHIUM Secures 720MWh Energy Storage Contract in the ...](#)

Jul 31, 2025 · The 720MWh BESS project will tackle critical challenges in the UK's renewable energy sector, including reducing energy curtailment, enhancing grid flexibility, and minimizing ...



### [HiTHIUM Awarded Major 720MWh BESS Project in the UK by ...](#)

Jul 29, 2025 · London, the United Kingdom, July 29, 2025 - HiTHIUM, a leading global provider of integrated energy storage products and solutions, has been selected by Elements Green, a ...



### [Elements Green secures approval for 360 MW/720 MWh storage project ...](#)

Jun 25, 2024 · UK-based solar and energy storage developer Elements Green has secured planning consent for its Staythorpe Battery Energy Storage System (BESS) project in the UK.

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### [HiTHIUM, Elements Green ink deal for 720MWh UK BESS project](#)

Jul 31, 2025 · Energy storage manufacturer HiTHIUM has announced that it will collaborate with solar PV and energy storage developer Elements Green to deliver a 720MWh battery energy ...



### [Elements Green Picks Builder for 360MW UK Battery](#)

Mar 2, 2025 · Mitie's subsidiary G2 Energy will also build the associated 400kV grid connection infrastructure for the project which is located near Staythorpe National Grid Substation, in ...



### [Elements Green secures approval for 360 ...](#)

Jun 25, 2024 · UK-based solar and energy storage developer Elements Green has secured planning consent for its Staythorpe Battery Energy ...





### [£71.5m Staythorpe Battery Storage Project Kicks Off, ...](#)

Aug 20, 2025 · Mitie Power & Grid and international renewable energy developer Elements Green have officially broken ground on the Staythorpe Battery Energy Storage System (BESS) in ...



### [Mitie, Elements Green Begin Construction Of 720MWh BESS ...](#)

Nov 16, 2025 · Solar and energy storage developer Elements Green has broken ground on the 360MW/720MWh Staythorpe battery energy storage system (BESS) in Nottinghamshire. The ...

### [China Energy Gansu 720MWh Large Scale Energy Storage ...](#)

Sep 1, 2023 · The project plans to build an energy storage power station with a total installed capacity of 720MWh. The 130MWh project of Guazhouzi Station is one of the early ...



### [HiTHIUM Secures 720MWh UK Energy Storage Deal with...](#)

Jul 30, 2025 · HiTHIUM has been awarded a major 720MWh battery energy storage system (BESS) contract in the United Kingdom by renewable infrastructure developer Elements ...



### [HiTHIUM, Elements Green ink deal for ...](#)

Jul 31, 2025 · Energy storage manufacturer HiTHIUM has announced that it will collaborate with solar PV and energy storage developer Elements ...



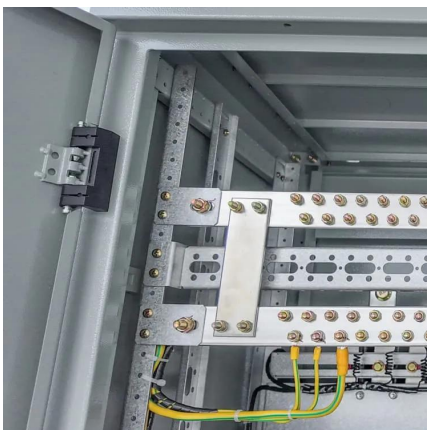
### [Hassan Allam, Infinity Power to develop 1.2GW solar, 720MWh energy](#)

Nov 11, 2025 · Hassan Allam Utilities Energy Platform and Infinity Power have signed agreements to develop two renewable energy projects in the country.



### [Mitie to Build 720MWH UK BESS Project for ...](#)

Mar 3, 2025 · The project has a peak power capacity of 360MW and an energy storage capacity of 720MWh. Elements Green has signed the ...



### [HiTHIUM Awarded Major 720MWh BESS ...](#)

Jul 29, 2025 · London, the United Kingdom, July 29, 2025 - HiTHIUM, a leading global provider of integrated energy storage products and ...





### [HiTHIUM Secures 720MWh Energy Storage ...](#)

Jul 31, 2025 · The 720MWh BESS project will tackle critical challenges in the UK's renewable energy sector, including reducing energy curtailment, ...



### [HiTHIUM, Elements Green Launch 720MWh UK BESS for Net ...](#)

Aug 4, 2025 · The 720MWh project will reduce renewable energy curtailment, bolster grid flexibility, and diminish fossil fuel dependence. Concurrently, HiTHIUM is expanding its UK and ...

### [Mitie and Elements Green get building on 720 MWh ...](#)

Aug 15, 2025 · The project has been in the news several times in the past weeks, with RES securing the five-year operations and maintenance (O& M) contract for the BESS, which is due ...



### [Peak Energy deploying 720MWh BESS for Jupiter. 4GWh reserved](#)

Nov 14, 2025 · The total contract value could exceed US\$500 million. A spokesperson for Peak Energy confirmed to Energy-Storage.news that a 720MWh project being delivered in 2027 is a ...



### [Mitie to build 720MWh UK BESS project for ...](#)

Feb 28, 2025 · Mitie's G2 Energy has been selected to design and construct Elements Green's Staythorpe battery energy storage system (BESS) ...



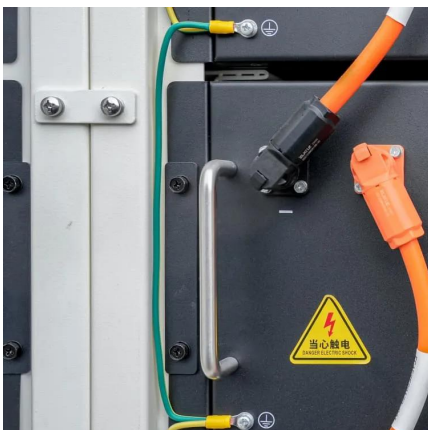
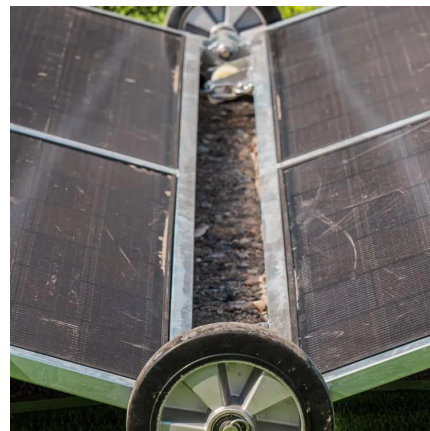
### [Mitie to Build 720MWh UK BESS Project for Elements Green](#)

Mar 3, 2025 · The project has a peak power capacity of 360MW and an energy storage capacity of 720MWh. Elements Green has signed the £71.5m deal with G2 Energy to undertake the ...



### [Bid for Qinghai 180MW/720MWh Energy ...](#)

Mar 7, 2024 · The site is adjacent to Gongyu Expressway and G214 National Highway, with convenient external transportation conditions. The ...



### **Elements Green Secures £140m Financing for UK Battery Storage Project**

Jul 28, 2025 · Renewable energy developer Elements Green has secured a £140 million debt facility from Goldman Sachs Alternatives to support the construction of one of the UK's largest ...





### [South Africa: Commercial close for Scatec, ...](#)

Oct 17, 2024 · The government of South Africa has signed commercial close agreements for two large-scale BESS projects totalling 720MWh, allowing ...



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