

# **New energy storage project in saudi arabia**





## Overview

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The government is soliciting bids to develop four battery energy storage system (BESS) projects. Furthermore, it is expected that each will have a 500MW output and 2,000MWh in storage capacity. The contract, which entails 15-year terms, will be awarded on a build-own-operate (BOO).

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Updated August 29, 2025: Saudi Arabia is making advances in its BESS projects as it launches one of Middle East's largest BESS deployments, a 4GWh BESS project. The nation's battery storage drive comes as HiTHIUM is commissioned with a 4 GWh BESS project in a joint venture between the Saudi.

Saudi Electricity Company has secured two major battery energy storage projects in northern Saudi Arabia, signaling a significant shift in global energy storage economics, according to industry sources. The combined capacity of these projects is 4.9 GWh, with installation costs ranging from USD 73.

PVTIME - Sungrow has recently entered into a significant agreement with Alghaz Holding in Saudi Arabia, marking the largest energy storage order in the world to date. The project comprises three sites with a total installed capacity of 7.8GWh, located in the Najran, Madaya and Khamis Mushait.

HiTHIUM, a leading global manufacturer of energy storage solutions, has been awarded a major contract by Saudi Electricity Company (SEC) to deploy two battery energy storage system projects in northern Saudi Arabia's Tabuk and Hail provinces. The total capacity of the projects is 4GWh, utilizing.

Saudi Electricity Company (SEC) has secured two massive battery energy storage systems totaling 4.9 GWh at a cost of just USD 73-75 per kilowatt-hour (kWh) installed, marking a potential turning point for energy storage economics outside China. Energy storage costs have been on the sort of slide.



## New energy storage project in Saudi Arabia

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### [Huawei FusionSolar builds Red Sea Project, world's ...](#)

Saudi Arabia's Red Sea Project is poised to be the world's first fully clean energy-powered destination! Huawei has been instrumental in this sustainable ...

### [Saudi Arabia: Bidders revealed for 8GWh battery ...](#)

In addition to public-private partnerships such as through SPPC, Saudi Arabia will host gigawatt-hour scale battery storage facilities to integrate ...



### [Battery Energy Storage Breakthrough in Saudi Arabia](#)

These projects are central to Saudi Arabia's Vision 2030, supporting the goal of generating half of the kingdom's electricity from renewables by 2030. The new storage systems ...

### [Saudi Arabia Approves 33 Firms for Groundbreaking ...](#)

2 ??? Saudi Arabia has taken a significant step toward revolutionizing its renewable energy sector, announcing the prequalification of 33



companies for ...



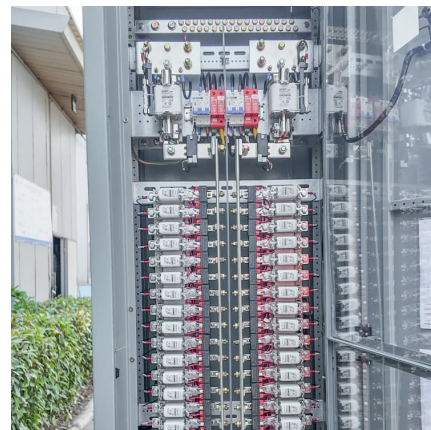
### [Chinese firm awarded world's largest grid-scale](#)

Saudi Electricity Company (SEC) and China's BYD Energy Storage have officially signed a contract to build the world's largest grid-scale ...



### **HiTHIUM's Breakthrough ?Cell 1175Ah Powers Landmark 4GWh ...**

This landmark project, developed in partnership with Alfanar Projects, represents one of the largest BESS deployments in the Middle East and will play a pivotal role ...



### **Sungrow secures 7.8 GWh battery storage deal from Saudi Arabia**

China's Sungrow has signed three landmark energy storage contracts with Saudi Arabia's Alghaz Holding, amounting to the world's largest grid-side storage order. Each ...





### **BYD, Saudi finalizes world's largest grid-scale energy storage deal**

BYD Energy Storage will supply its new-generation MC Cube-T ESS systems to Saudi Arabia under the newly announced contract.



### **Saudi Arabia: PV + Storage's next destination for overseas ...**

In 2023, China Shipping Energy Storage and Saudi ULTIM signed a project agreement on the "Fe-Chromium Flow Battery Long-term Energy Storage" in Jeddah, Saudi ...

### **Top 10 energy storage battery companies in Saudi Arabia in 2025**

In this article, the top 10 energy storage battery companies in Saudi Arabia in 2025 will be introduced, from basic information to latest news about these companies.



### **BYD & SEC: World's Largest Grid-Scale Energy Storage Project**

BYD Energy Storage and Saudi Electricity Company (SEC) have signed a contract to deliver the world's largest grid-scale energy storage project totalling 12.5GWh. This ...



### Saudi Arabia Breaks Battery Storage Cost Barriers with \$73 ...

The Saudi battery energy storage projects, priced between USD 73/kWh and USD 75/kWh, closely approach the lower costs seen in China. This suggests that ...



### [BYD and SEC: The World's Biggest Battery Storage Deal](#)

A record-breaking collaboration for grid-scale storage BYD Energy Storage and SEC have finalised a deal to roll out 12.5GWh of new grid ...

### [Sungrow awarded 600MWh BESS contract for Saudi ...](#)

The project aims to transform stretches of desert near the Red Sea coast into a sustainable business, tourism and residential development.

...





[BYD to supply 12.5 GWh of battery storage in Saudi ...](#)

BYD Energy Storage has officially signed contracts with Saudi Electricity Company (SEC) to deliver 12.5 GWh in five BESS projects, marking ...

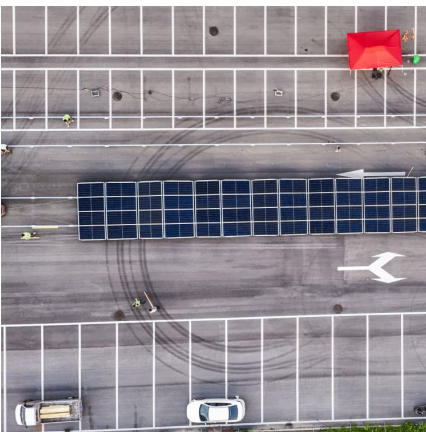
[BYD and SEC: The World's Biggest Battery Storage Deal](#)

A record-breaking collaboration for grid-scale storage BYD Energy Storage and SEC have finalised a deal to roll out 12.5GWh of new grid-scale battery storage, making it the ...



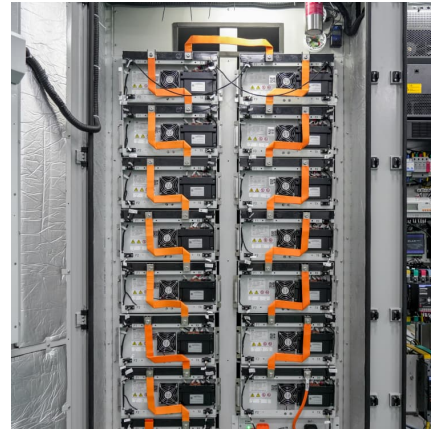
[BYD Energy Storage Signed World's Largest Grid-scale](#)

The Project Kick-off Meeting This cooperation is a pivotal stride towards advancing Saudi Arabia's renewable energy industry and aligning with the ambitious goals set ...



[Sungrow secures 7.8 GWh battery storage deal from ...](#)

China's Sungrow has signed three landmark energy storage contracts with Saudi Arabia's Aljihaz Holding, amounting to the world's largest ...



### [Construction of the Red Sea Project in Saudi Arabia](#)

This video, shot in early 2023, shows the construction of the Red Sea Project, the world's first city fully powered by 100% renewable energy along the Red Sea ...



### **Saudi Arabia Launches Construction of 2.5GW Grid-Scale Energy Storage**

Specifically, each location will host an energy storage system with a capacity of 500MW/2000MWh, totaling 2.5GW/10GWh. This scale makes the project one of the largest ...



### **BYD Energy Storage Signed World's Largest Grid-scale Battery Storage**

Recently, BYD Energy Storage and Saudi Electricity Company successfully signed the world's largest grid-scale energy storage projects contracts with a capacity of ...





### [Namkoo installs 500kw energy storage system in ...](#)

Namkoo New Energy's Solar Energy Storage Project in Al-Sahran, Saudi Arabia Introduction: Namkoo New Energy is a leading renewable energy company ...



### **Power purchase agreements signed for major renewables program in Saudi**

In the presence of His Royal Highness, Prince Abdulaziz bin Salman Al-Saud, Minister of Energy, ACWA Power, the Water and Electricity Holding Company (Badeel), and ...

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