

## SolarTech Power Solutions

# Riyadh energy storage system capacity



## Overview

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Under the supervision of the Ministry of Energy, the Saudi Electricity Company (SEC) has announced the launch of the second phase of its battery energy storage system (BESS) project, with a total investment exceeding 6.73 billion Saudi Riyals and a planned total capacity of 2.5GW/10GWh. Will Saudi Arabia develop a storage capacity of 48 gigawatt-hours?

Under the National Renewable Energy Program, which is overseen by the Ministry of Energy, Saudi Arabia aims to develop a total storage capacity of 48 gigawatt-hours by 2030. To date, projects totaling 26 gigawatt-hours have been tendered and are currently in various phases of development.

Is Saudi Arabia a leader in battery energy storage?

The Kingdom enters the top ten global rankings for battery energy storage with ambitious future capacity goals. Saudi Arabia is establishing itself as a significant player in the energy storage sector, now ranked among the top ten global markets for battery energy storage.

What is the capacity of Riyadh refinery?

Riyadh Refinery, located in the central region of Saudi Arabia, has a capacity of 120,000 barrels per day (BPD) and has a vacuum column, which permits processing of the heavier crude fractions.

How much energy is saved in Riyadh & Jeddah?

Energy savings for single measures on the building envelope vary from 1 – 27 % for Riyadh and 1 – 21 % for Jeddah. The measure providing the lowest energy saving for both cities is improved thermal bridges while improved window type achieves the highest energy savings.

What is a battery energy storage system (BESS)?

Saudi Electricity Company (SEC) has taken a significant step in modernising the Kingdom's energy infrastructure with the awarding of contracts for a large-

scale Battery Energy Storage System (BESS). The project, with a combined capacity of 2,500 MW/10,500 MWh, will enhance grid stability and support renewable energy integration.

How is Saudi Arabia transforming its energy sector?

Saudi Arabia's energy sector is undergoing a comprehensive transformation, reinforcing its leadership position in the production and export of a variety of energy forms. By the end of 2024, it is projected that the total capacity of renewable energy projects across all stages of development will reach 44.1 GW.

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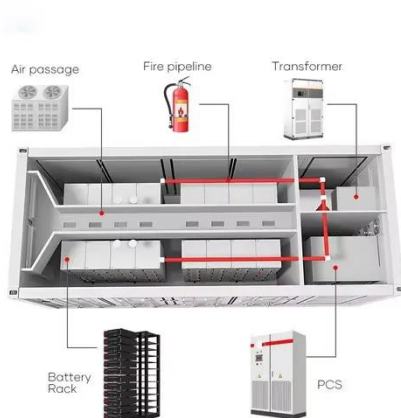


### Meed , Saudi Arabia evaluates 2.5GW energy storage bids

Oct 23, 2024 · National Grid Saudi Arabia, a wholly-owned subsidiary of Saudi Electricity Company (SEC), is evaluating bids for the contract or contracts to supply battery energy ...

### Saudi Arabia prequalifies battery energy storage ...

Jan 2, 2025 · The SPVs will enter into a 15-year storage services agreement with the principal buyer. According to SPPC, the energy storage programme will ...

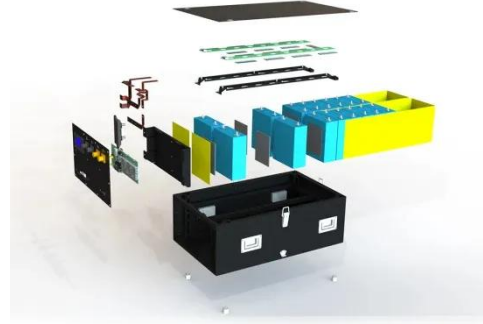


### Saudi Arabia Emerges as a Leading Market for Energy Storage ...

4 days ago · Saudi Arabia is establishing itself as a significant player in the energy storage sector, now ranked among the top ten global markets for battery energy storage. This recognition ...

## Saudi Arabia Rises to Global Top 10 in Energy Storage, Eyes ...

Feb 17, 2025 · According to energy consultancy Wood Mackenzie, Saudi Arabia is at the forefront of rapidly expanding energy storage markets. The Kingdom plans to operate 8 GWh of storage ...



## Saudi's 22 GWh Energy Storage Vision by 2026

Jun 10, 2025 · Saudi Arabia is fast-tracking its battery storage expansion under the National Renewable Energy Program, aiming for 48 GWh of storage capacity by 2030. Already, 26 ...

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

Apr 17, 2025 · Under the supervision of the Ministry of Energy, the Saudi Electricity Company (SEC) has announced the launch of the second phase of its battery energy storage system ...



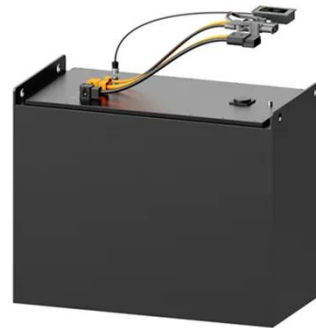
## Saudi Arabia invites 2.5GW battery storage bids

Aug 30, 2024 · National Grid Saudi Arabia, a wholly-owned subsidiary of Saudi Electricity Company (SEC), has tendered contracts for the construction of five battery energy storage ...



## Saudi Arabia: Bidders revealed for 8GWh battery ...

Jan 2, 2025 · In addition to public-private partnerships such as through SPPC, Saudi Arabia will host gigawatt-hour scale battery storage facilities to integrate ...



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## SEC receives Bids for 1,000 MW Battery Energy Storage System ...

Apr 22, 2025 · Saudi Electricity Company (SEC) receives Bidders Proposals for Battery Energy Storage Systems (BESS) having Combined Capacity of 1,000 MW. The Project location is in ...

## Saudi Arabia Emerges as a Leading Market for Energy

## Storage ...

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## LEVERAGING ENERGY STORAGE SYSTEMS IN MENA

Feb 4, 2022 · Meeting the national renewable energy targets requires scaling up and systematic integration of variable renewable energy (VRE) systems into the power grid, which in turn ...

## SPPC Starts the Qualification Process for the First ...

2 days ago · Riyadh, November 04, 2024, SPA -- The Saudi Power Procurement Company (SPPC), under the supervision of the Ministry of Energy, has started ...

### Highvoltage Battery



## BYD Got Saudi Arabia's





## 12.5GWh Battery Storage System ...

Jan 15, 2025 · According to Official Account Weixin ID@gh\_5d67ff58c348, recently, Saudi Electricity Company (SEC) announced the award of a series of contracts for Battery Energy ...

## With an annual capacity of 5GWh, Hithium proposes to build ...

Oct 21, 2024 · Recently, Hithium, the world's leading energy storage company, has taken an important step in the Middle East by announcing the establishment of a joint venture with ...



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