

Saudi Arabia energy storage electricity sales price





Overview

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. 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.

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.

What is the electricity price in Saudi Arabia?

The residential electricity price in Saudi Arabia is SAR 0.200 per kWh or USD 0.053. The electricity price for businesses is SAR 0.257 kWh or USD 0.069. These retail prices were collected in September 2024 and include the cost of power, distribution and transmission, and all taxes and fees. Compare Saudi Arabia with 150 other countries.

What type of energy is produced in Saudi Arabia?

Based on the United States Energy Information Administration data from 2022, electricity in Saudi Arabia is produced from the following sources: fossil fuels 99.70%, wind 0.09%, solar 0.20%, hydro 0.00%, nuclear 0.00%, and geothermal 0.00%. You can also compare the energy mix of Saudi Arabia to other countries.

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.

What is the installed capacity of electricity generation in Saudi Arabia?

In 2021, the total installed capacity of electricity generation in Saudi Arabia was approximately 22.4 gigawatts. This statistic depicts the installed capacity of electricity generation in Saudi Arabia by type.



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The Rapid Expansion of Battery Energy Storage: Why the Saudi ...

This surge is mirrored globally, with battery storage poised to grow exponentially as renewables penetration rises, costs plummet, and advanced policy frameworks take shape.

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

5 days ago· The Kingdom plans to operate 8 GWh of energy storage projects by 2025, expanding this to 22 GWh by 2026, which would place it as the third-largest global market for energy ...

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Saudi Arabia Battery Energy Storage Market (2025-2031) Outlook

In line with global trends, the Saudi Arabia battery energy storage market has gained momentum as the country explores sustainable energy solutions. Battery energy storage systems play a ...

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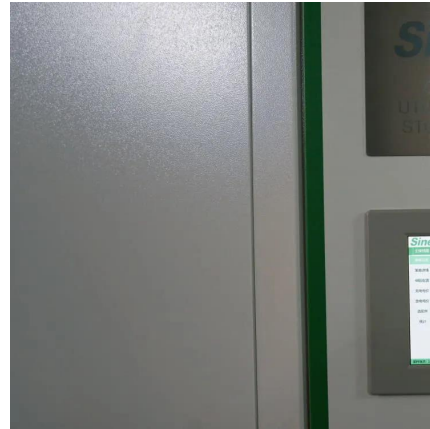
[Saudi Arabia commissions its largest battery energy ...](#)

Saudi Arabia has officially connected its largest battery energy storage system (BESS) to the



grid, marking a significant milestone in the ...

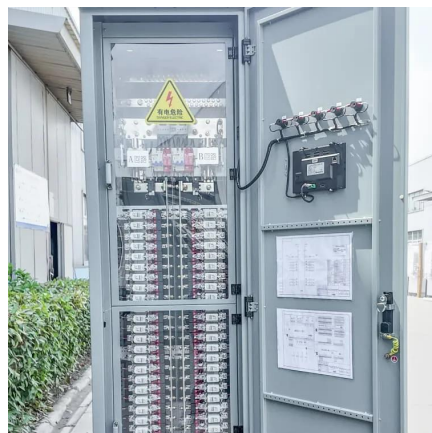
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BYD signs 12.5GWh grid-scale energy storage contracts in Saudi

BYD Energy Storage has signed contracts with the Saudi Electricity Company to deliver 12.5 gigawatt hours (GWh) of BESS equipment for the five energy storage projects - ...

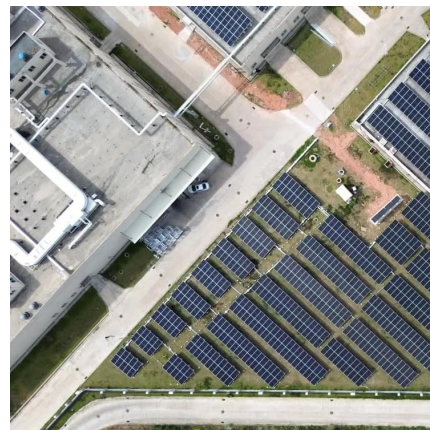
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Battery Energy Storage Breakthrough in Saudi Arabia

2 days ago· Saudi Electricity Company Secures Major Battery Energy Storage Projects Saudi Electricity Company has secured two major battery energy storage projects in northern Saudi ...

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Saudi Arabia energy storage electricity price trend chart latest

The residential energy storage market in Saudi Arabia encounters challenges related to educating consumers about the benefits of energy storage solutions, ensuring safe and reliable energy

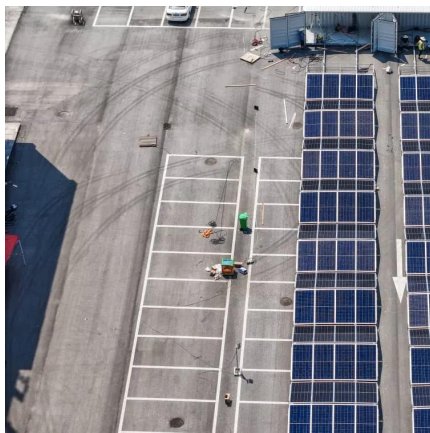
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[All to Know About the World's Largest BESS Projects ...](#)

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 ...

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MENA Energy Storage Market Overview

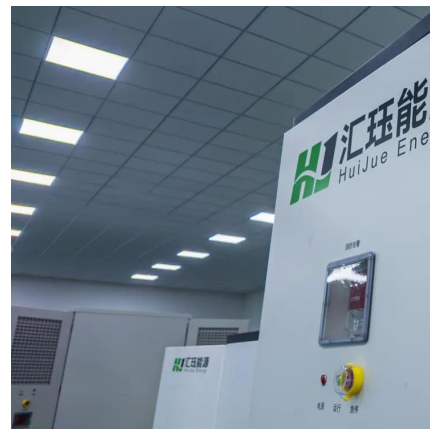
Net Billing is used to a small extent in Saudi Arabia. The electricity fee in Saudi Arabia is 0.18 Riyal/kWh (the monthly fee for more than 6000kWh ...

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[Saudi Arabia Energy Storage Market 2024-2030](#)

Saudi Arabia plans to issue fresh tenders to generate 15,000 MWs capacity of electricity with the renewable energy projects in 2023. The ...

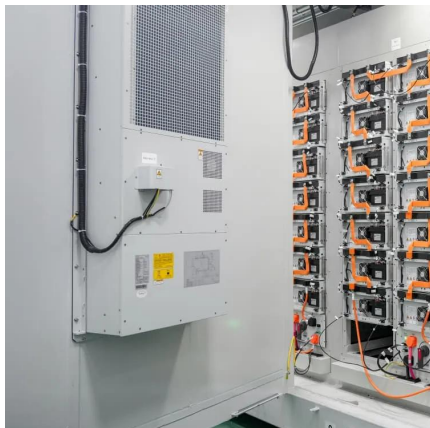
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[Currently Tariff , SAUDI ELECTRICITY REGULATORY ...](#)

3 days ago· Get details on the current electricity tariff applied in Saudi, and understand how to determine for all consumption, including voltage, power factor, and meter reading and ...

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Saudi Arabia Battery Storage Pricing at \$73/kWh Reshapes Global Energy

3 days ago· Saudi storage projects are priced between USD 73/kWh & USD 75/kWh, compared to global average of USD 165/kWh in 2024, lowering battery storage costs outside China.

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[Saudi Arabia Grid Energy Storage Market Size , Report 2033](#)

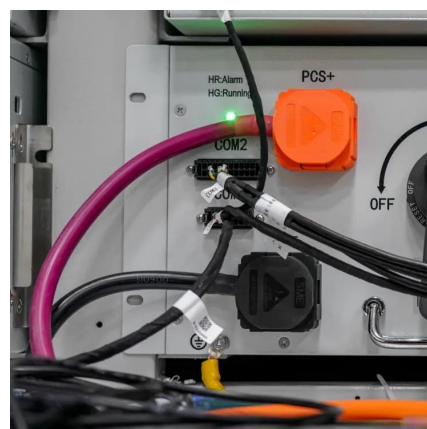
The Saudi Arabia grid energy storage market size reached USD 117.90 Million in 2024. Looking forward, IMARC Group expects the market to reach USD 1,142.75 Million by 2033, exhibiting a ...

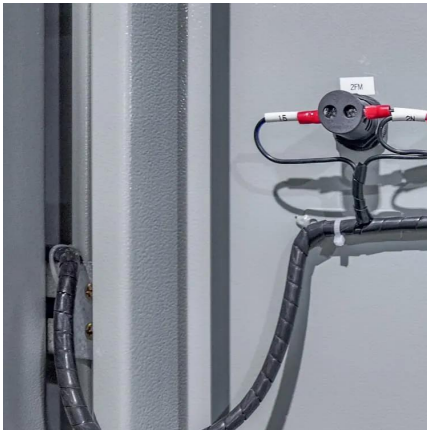
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[Consumption Tariff , SAUDI ELECTRICITY REGULATORY ...](#)

5 days ago· Uncover how electricity tariff tiers are structured according to energy usage and see how costs are calculated at different consumption levels to ensure fairness and clarity.

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[Saudi Arabia Emerges as Global Energy Storage ...](#)

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[Saudi Arabia Energy Storage Market 2024-2030](#)

Saudi Arabia plans to issue fresh tenders to generate 15,000 MWs capacity of electricity with the renewable energy projects in 2023. The initiatives aims to increase the ...

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

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[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 ...

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[Solar Energy Storage Market Booms in Saudi Arabia](#)

Saudi Arabia's solar energy storage market is experiencing rapid expansion, with its value reaching USD 160.43 million in 2024 and projected ...

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Climatescope 2024 , Saudi Arabia

Saudi Arabia implements policies in 4/9 power policy categories tracked by Climatescope, including Renewable energy target, Renewable energy auction, Net metering, and Import tax ...

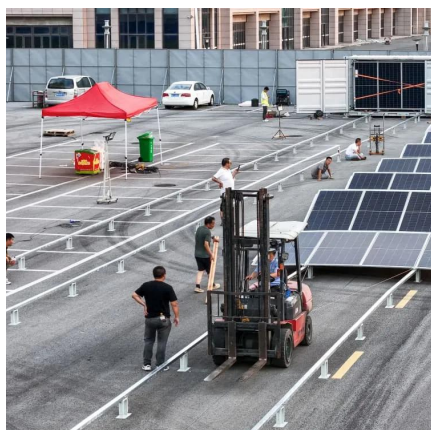
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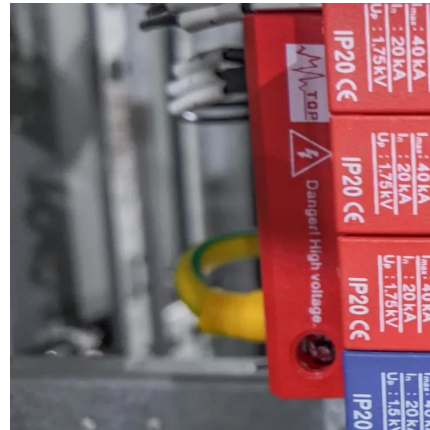




BYD Ears Contract for "World's Largest Grid-Scale Battery Storage

And it shows why the Saudi Electricity Company would trust BYD with the new contract. Clean energy progress marches on, even over in Saudi Arabia.

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[Saudi's 22 GWh Energy Storage Vision by 2026](#)

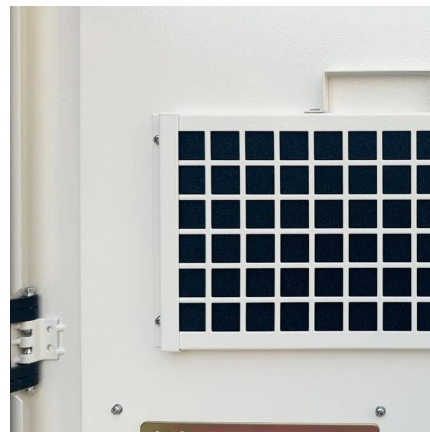
Saudi Battery Storage Market is projected to hit \$1.69B by 2030, growing at 35.9% CAGR. Saudi aims for 48 GWh storage capacity by 2030.

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[MENA Solar and Renewable Energy Report](#)

The dramatic drop in the price of solar energy coupled with increasing competitiveness of storage solutions will allow solar energy for a number of usages that have traditionally been large ...

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[Siemens Energy secures \\$1.6 billion project to advance Saudi](#)

Siemens Energy has been awarded a US \$1.6 billion project, with Harbin Electric International as the EPC contractor, to provide key technologies for the Rumah 2 and Nairyah ...

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