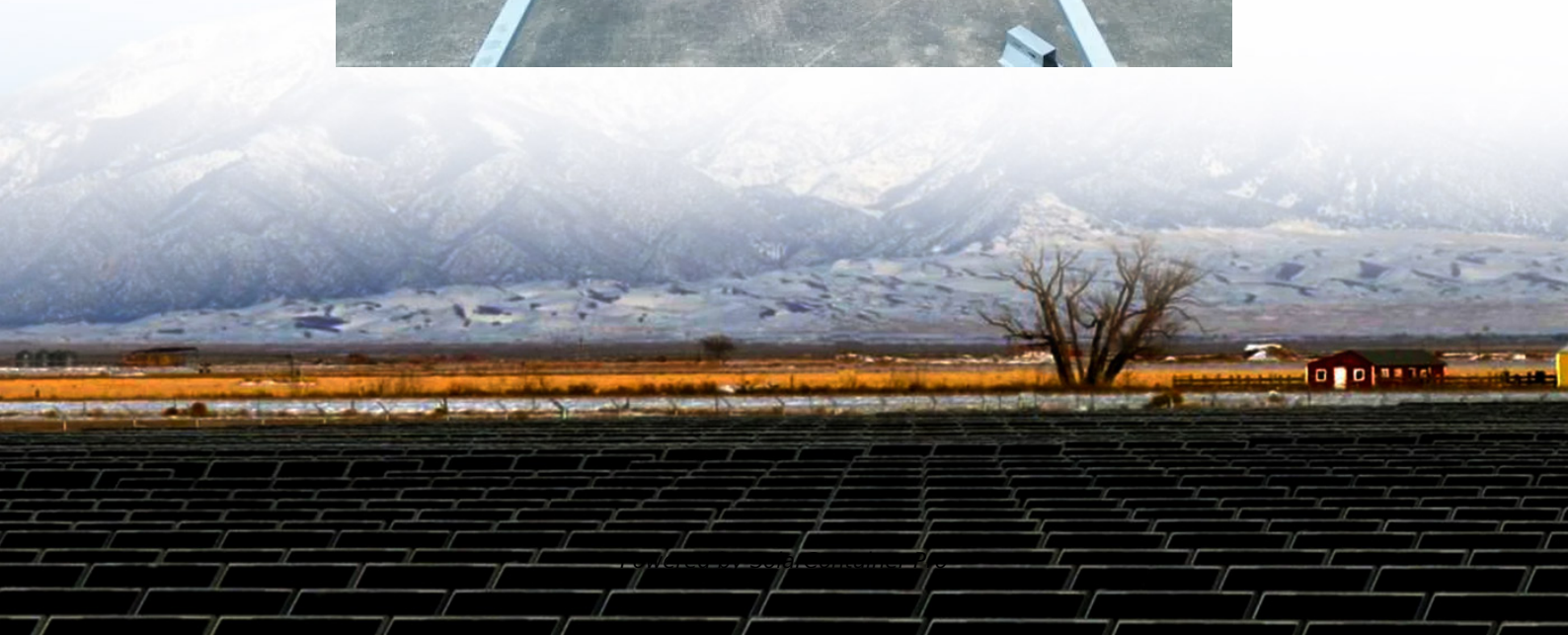


Middle East Energy Storage Power Station Procurement





Overview

The total capacity of 2,000 MW/8,000 MWh will be distributed across four locations in Saudi Arabia. The BESS projects will be developed in key regions across the kingdom: In December 2024, SPPC announced the list of qualified bidders. The bid submission deadline is set for 2 June 2025. Who are the major energy companies in the Middle East?

It includes big names from the Middle East region and overseas, such as Dubai-headquartered Masdar and Saudi Arabia's ACWA Power, France's EDF and TotalEnergies, and major players in renewable energy and battery storage from China, South Korea, and Japan, among others.

How many energy storage projects will a bidder sign with SPPC?

The selected bidders will sign 15-year energy storage service agreements with SPPC for four 500MW/2000MWh BESS projects. The bidders will retain 100% ownership of their special purpose vehicle (SPV) projects. The four upcoming energy storage projects, all identical in scale, are strategically located within Saudi Arabia.

Which energy storage solutions will be the leading energy storage solution in MENA?

Electrochemical storage (batteries) will be the leading energy storage solution in MENA in the short to medium terms, led by sodium-sulfur (NaS) and lithium-ion (Li-Ion) batteries.

Does KSA have a storage service agreement with SPPC?

Each SPV will enter into a 15-year Storage Services Agreement with SPPC. As part of Vision 2030, KSA aims to supply 50% of its electricity from renewable energy by 2030 and has set a clear plan to transition its energy mix towards solar, wind and other renewable energy sources.

What is an energy storage system?



An energy storage system is charged from the grid or by on-site generation to be used at a later time to take advantage of price differentials. Energy storage is used instead of upgrading the transmission network infrastructure. The storage system provides the grid with the necessary output to ensure the voltage level on the network remains steady.

Are Li-ion batteries the future of solar energy in MENA?

In MENA, Li-Ion batteries have a significant share of the battery grid-scale applications coupled with solar energy systems. The operational capacities range from 0.1 MW in Morocco's Demostene Green Energy Park to 23 MW in Al Badiya Solar-Plus-Storage at Al-Mafraq in Jordan.



Middle East Energy Storage Power Station Procurement



Middle East and North Africa 2024 Energy Industry Outlook

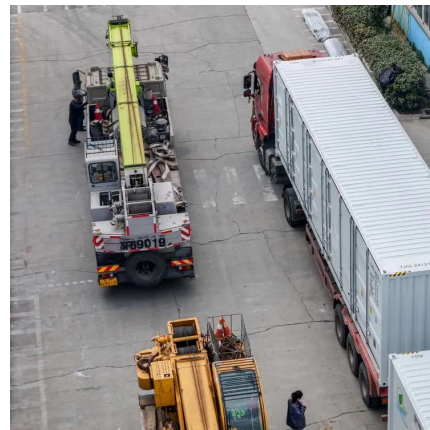
To date, the most popular way to store excess energy has been pumped storage hydropower plants, but battery energy storage systems (BESS) and thermal storage in the form of molten ...

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[LEVERAGING ENERGY STORAGE SYSTEMS IN MENA](#)

Ten key regulatory, financial, and market policy action steps are suggested to achieve the objective of successfully integrating energy storage systems in the power markets in MENA ...

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Saudi Electricity Company Awards Multiple Contracts For ...

The contracts are for a 2,500 MW/10,500 MWh battery energy storage system across five key locations. Saudi Electricity Company awards multiple contracts for 10,500MWh ...

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Saudi Arabia: Bidders revealed for 8GWh battery storage tender

A list of pre-qualified bidders has been published in the first procurement of battery energy storage system (BESS) resources by the Saudi



Power Procurement Company (SPPC).

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All to Know About the World's Largest BESS Projects in Saudi ...

Saudi Power Procurement Company (SPPC) is licensed as the sole buyer of electrical energy. The government is soliciting bids to develop four battery energy storage ...

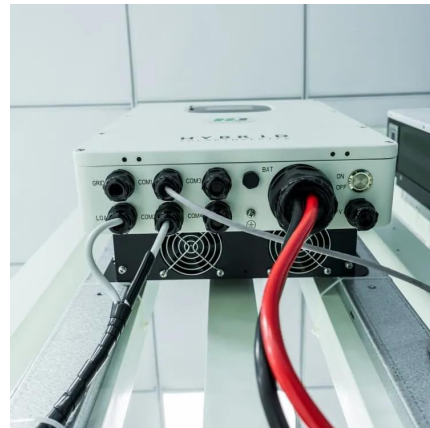
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SPPC Releases List of Qualified Bidders for First Group of Battery

Saudi Power Procurement Company (SPPC) has announced the prequalification of 33 prominent utility developers for its ambitious 2GW/8GWh battery energy storage system ...

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JinkoSolar Wins Largest Energy Storage Order in Middle East!

The PV module capacity of the project is 730 MWac and 1020 MWdc, while the energy storage capacity will reach 515 MWh. Once the project is put into operation, it is ...

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Saudi Arabia prequalifies battery energy storage bidders

Principal buyer Saudi Power Procurement Company (SPPC) has prequalified firms that can participate in the tender for the first phase of its independent battery energy storage system ...

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Saudi Arabia Plans to Deploy 48GWh of Battery Storage by 2030

According to foreign media reports, the Saudi Power Procurement Company (SPPC) has officially announced the list of prequalified bidders for its first battery energy ...

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