

# **Total investment in energy storage power stations in the Middle East**





## Overview

---

Is large-scale energy storage a viable option in the Middle East?

Until recently, large-scale energy storage was barely a consideration in the Middle East, where fossil fuels have long dominated power generation. With renewable energy projects expanding across the region, energy storage has started gaining traction.

Is energy storage gaining traction in the Middle East?

With renewable energy projects expanding across the region, energy storage has started gaining traction. Unlike Europe, North America, and Asia, where renewable energy and storage technologies are well-established, the Middle East remains in the early stages of development.

Which energy storage technology has the most installed capacity in MENA?

Pumped hydro storage (PHS) has the largest share of installed capacity in MENA at 55%, as compared to a global share of 90%. Pumped hydro storage is one of the oldest energy storage technologies, which explains its dominance in the global ESS market.

What is energy storage system deployment in MENA?

Energy Storage System deployment in MENA Energy Storage Systems (ESS) play a critical role in the integration of VRE into the power grid, as these systems manage the intermittencies of renewable energy resources and mitigate potential power supply disruptions.

How many companies are investing in battery energy storage systems?

Currently, only a few companies have invested in battery energy storage systems (BESS). However, this is expected to change significantly as the renewables sector in the region continues to grow. The region's installed renewable energy capacity reached 32 GW in 2023 and is expected to approach 40 GW by year-end.



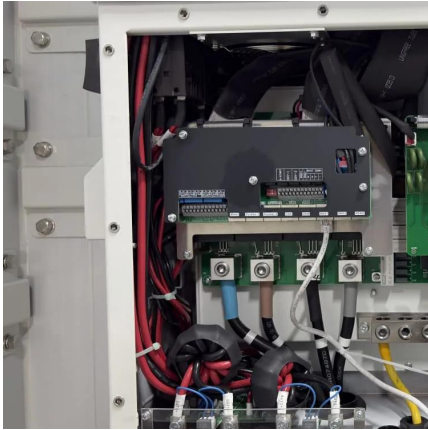
Which energy storage solutions will be the leading energy storage solution in MENA?

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.



## Total investment in energy storage power stations in the Middle East

---



### The Future of Battery Market in the Middle East & Africa

This report explores the key dynamics shaping the battery market across the region: from the rise of lithium-ion and solid-state technologies to growing applications in energy storage, electric ...

[WhatsApp](#)

### [Middle East Energy , Market Outlook Report](#)

The " Middle East and North Africa 2025 Energy Industry Outlook " powered by Middle East Energy, offers a comprehensive analysis of the energy landscape in one of the world's most ...

[WhatsApp](#)



### Middle East set to achieve \$75 billion in renewable energy investments

The Middle East is projected to attract \$75.63 billion in investments for renewable energy projects by 2030, as highlighted in a recent report released by the Energy Industries ...

[WhatsApp](#)

### Middle East Energy , Industry Insights , Reports & Whitepapers

The energy sector is an ever-evolving industry. Energy systems around the world are constantly transitioning and that brings about shifts in





regulations, investor idealogy, consumer ...

[WhatsApp](#)



[Storage Projects in MENA Region , Synergy Consulting](#)

Additionally, DEWA is studying the idea of building a 400MW pumped-storage hydropower station in the Arabian Gulf that has a 2,500MWh storage capacity in an effort to diversify DEWA's ...

[WhatsApp](#)

### **Scaling Energy Storage in the MENA Region Amidst Renewables ...**

Last month, the country prequalified 33 companies for the first group of BESS projects with a total energy storage capacity of 8 gigawatt-hours (GWh). Flagship projects like ...

[WhatsApp](#)



### **Middle East: Energy Transition Unlocks Huge Market Potential for Energy**

At present, SunGrow, Huawei, BYD, and SmartPropel Energy have won bids for the construction of energy storage projects in the Middle East. The advantages of leading ...

[WhatsApp](#)



## Battery Storage in the Middle East: Powering the Energy Shift

As the Middle East intensifies its shift to renewable energy, battery storage is becoming a vital part of its infrastructure. Countries like Saudi Arabia and the United Arab ...

[WhatsApp](#)



## Middle East Investments Surge as Global Energy Storage Market ...

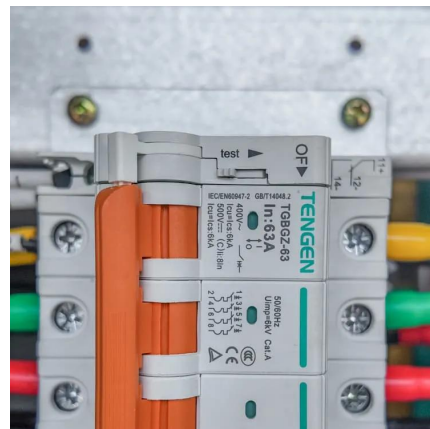
This rapid growth positions the Middle East as a leading contributor to global energy storage expansion in 2025, with new installations anticipated to reach 20 GWh, a ...

[WhatsApp](#)

## 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 ...

[WhatsApp](#)



## Contact Us

For catalog requests, pricing, or partnerships, please visit:  
<https://www.straightta.co.za>