



MODERNIZATION SOLAR

# Huawei joins energy storage project





## Overview

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Will Huawei fusion solar power Red Sea city's off-grid energy needs?

Huawei's FusionSolar Smart String Energy Storage Solution will power the Red Sea City's off-grid, clean energy needs. The Red Sea Project, a key part of SaudiVision2030, is now the world's largest microgrid with 1.3GWh storage capacity.

What is Huawei fusionsolar smart string energy storage solution (ESS)?

Central to this vision is Huawei's FusionSolar Smart String Energy Storage Solution (ESS). This solution will enable the Red Sea Project to independently meet its power needs. The microgrid solution addresses the intermittent and fluctuating nature of solar and wind power. It ensures the safe and stable operation of renewable energy systems.

Why is Huawei involved in the Red Sea project?

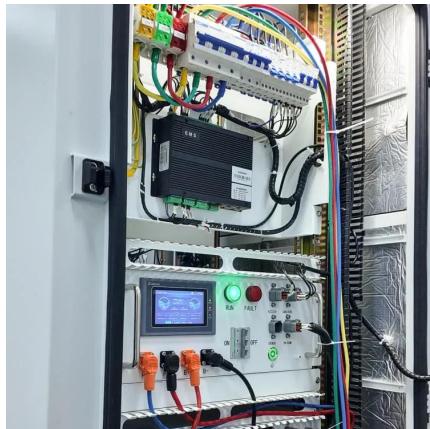
Huawei's involvement in the Red Sea Project underscores its commitment to sustainability, technological expertise, and collaboration. "The Red Sea Project provides an unparalleled opportunity to demonstrate this commitment and showcase our industry-leading innovation and technology," said Xing. "It's a blueprint for sustainable cities."

What is Huawei doing in Asia-Pacific?

Meanwhile, in Thailand, Huawei built Asia-Pacific's largest single-site C&I PV and ESS plant at Mahidol University, including a 12 MW PV system and a 600 kWh ESS. "Huawei's smart string and grid-forming ESS solution significantly improves a power grid's ability to integrate renewable energy," Xing explained.



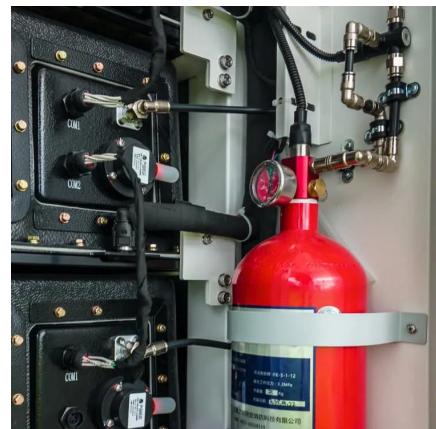
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### [Huawei Digital Power's Full-Lifecycle BESS Safety ...](#)

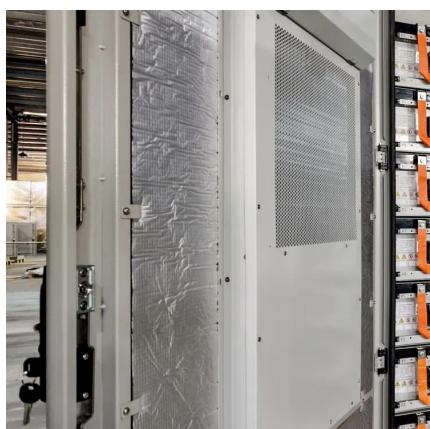
21 hours ago · The project achievements have been applied in large-scale projects in China and globally, such as the ZDI grid forming energy storage plant in Ngari Prefecture, China, the grid

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### [Energy Storage System Products List , HUAWEI Smart PV ...](#)

Energy Storage System Products List covers all Smart String ESS products, including LUNA2000, STS-6000K, JUPITER-9000K, Management System and other accessories product series.



### [Huawei and SchneiTec Commission World's ...](#)

SHANGHAI, June 16, 2025 /PRNewswire/ -- Huawei Digital Power, in collaboration with SchneiTec, has successfully commissioned ...

### [Huawei to provide 4.5GWh BESS for ...](#)

Dec 10, 2024 · Philippines president Ferdinand Marcos Jr at the project's groundbreaking, 21 November. Image: Presidential Communications

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### [Huawei unveils world's largest microgrid,](#)

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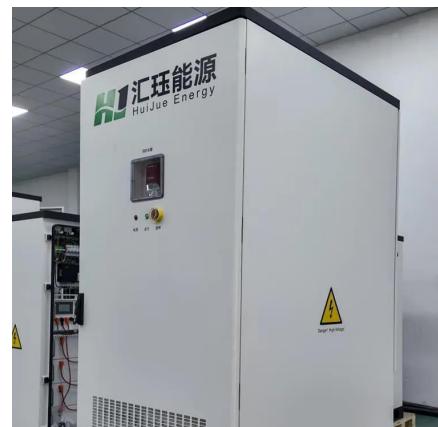
Sep 18, 2024 · Huawei Digital Power has built a solar-storage microgrid project in Saudi Arabia's Red Sea New City. It said that the plant has ...



### [MGEN Unit Joins Forces with Tech Giant](#)

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Dec 6, 2024 · The project exhibits Huawei's capability in providing advanced energy solutions. Huawei brings its cutting-edge expertise in energy ...



### [Huawei commissions Cambodia's first grid ...](#)

Jun 17, 2025 · The newly completed 12MWh energy storage project, which was developed in collaboration with SchneiTec, a renewable energy ...



## [Huawei unveils world's largest microgrid, featuring 1.3 GWh ...](#)

Sep 18, 2024 · Huawei Digital Power has built a solar-storage microgrid project in Saudi Arabia's Red Sea New City. It said that the plant has been operating smoothly for a year, delivering ...



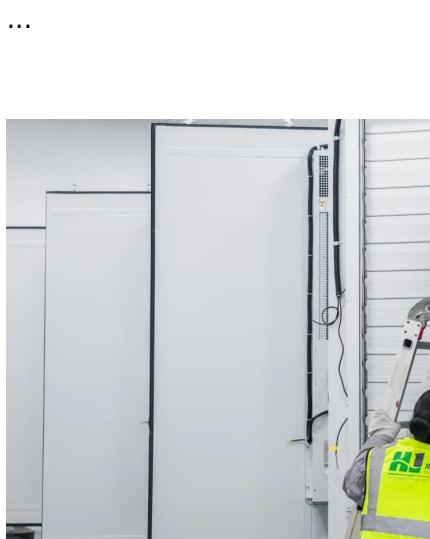
## [Huawei and SchneiTec Commission World's First TÜV SÜD ...](#)

SHANGHAI, June 16, 2025 /PRNewswire/ -- Huawei Digital Power, in collaboration with SchneiTec, has successfully commissioned Cambodia's first-ever TÜV SÜD-certified grid ...



## [How is Huawei's energy storage project progressing?](#)

Jan 21, 2024 · 1. Huawei's energy storage project is advancing significantly, with distinct milestones achieved in 2023, expanding its global influence in renewable energy solutions,



## [Saudi: Huawei to power 'world's 1st fully ...](#)

Aug 19, 2024 · Saudi Arabia's Red Sea Project will feature the world's largest photovoltaic-energy storage microgrid with a 400MW solar PV system ...



## Pioneering energy storage system lights up 'roof of the world'

Dec 3, 2025 · Now, the project's photovoltaic output has increased from the previous maximum of 1.5MW to 12MW. "Over 10 days of monitoring, Huawei's grid-forming energy storage ...



## **1300 MWh! Huawei Wins Contract for the World's Largest Energy Storage**

Oct 17, 2021 · This 1300 MWh off-grid energy storage project is the largest of its kind in the world and represents a milestone in the global energy storage industry. The Red Sea Project has



## A Milestone in Grid-Forming ESS: First ...

Jul 22, 2024 · The world's first batch of grid-forming energy storage plants has passed grid-connection tests in China, a crucial step in integrating ...



## Huawei unveils FusionSolar 9.0 platform with AI, grid ...

Dec 2, 2025 · Chinese conglomerate Huawei has launched FusionSolar 9.0, its latest integrated platform for solar-plus-storage generation, enhanced by smart energy management.



## [Saudi: Huawei to power 'world's 1st fully clean-energy ...](#)

Aug 19, 2024 · Saudi Arabia's Red Sea Project will feature the world's largest photovoltaic-energy storage microgrid with a 400MW solar PV system and 1.3GWh storage capacity.



## [Huawei enters the energy storage business in Chile](#)

Nov 7, 2025 · The Chinese firm is focusing on digital energy storage deployment in the field of solar parks and, eventually, linked to data centers.



## [Southeast Asia's biggest BESS officially ...](#)

Feb 2, 2023 · Singapore has surpassed its 2025 energy storage deployment target three years early, with the official opening of the biggest battery ...



## [Intelligent, Green Energy for a Better Planet](#)

Sep 22, 2021 · The energy world will be centered on electricity, with green hydrogen becoming a major player by 2030. The solar PV and energy ...



## [Huawei's largest photovoltaic energy storage](#)

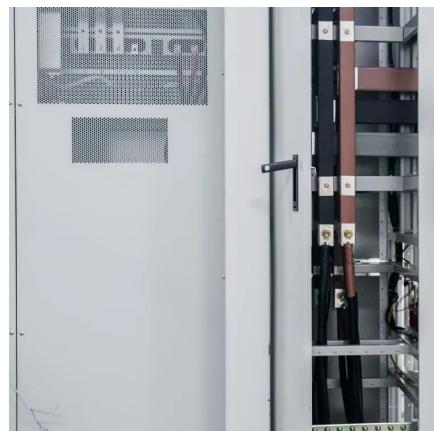
Aug 4, 2024 · Moreover, Huawei helped ACWA Power and Power Construction Corporation of Chinabuild the world's largest PV+ESS microgrid project in Saudi Arabia, which supplies clean ...



## [Smart Solar News , HUAWEI Smart PV Global](#)

Oct 17, 2025 · Huawei and SchneiTec Commission the World's First TÜV SÜD-Certified Grid-Forming Energy Storage Project Huawei Digital Power and Peak Energy Sign MoU at SNEC

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## [Grid-Forming Energy Storage Collaboration! Shandong Energy ...](#)

Jul 31, 2025 · This includes initiatives such as autonomous driving in open-pit mines, smart chemical manufacturing, intelligent photovoltaics, grid-forming energy storage, data centers, ...

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