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Huawei signs an energy storage project





Overview

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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[1300MWh! Huawei signs the world's largest energy storage project](#)

The project has a storage capacity of 1,300MWh, making it the world's largest energy storage project to date and also the world's largest off-grid energy storage project.

[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, ...



[Huawei signs deal to supply 4.5GWh battery storage in ...](#)

Feb 7, 2025 · Huawei has signed an agreement with the Meralco Terra Solar project in the Philippines to supply a 4.5GWh battery energy storage system. This marks Huawei's largest ...

[Huawei Signs Supply Agreement with the Philippines to ...](#)

Dec 20, 2024 · Bitauto News - Recently, Huawei announced that it has reached an agreement with the Meralco Terra Solar project in the Philippines to provide a battery energy storage ...



[Huawei signs the world's largest energy storage project](#)

The energy storage scale of the project reaches 1300MWh, which is by far the world's largest energy storage project and the world's largest off-grid energy storage project. It has strategic ...



[HUAWEI WINS WORLD'S LARGEST ENERGY STORAGE PROJECT ...](#)

Huawei's energy storage project is advancing significantly, with distinct milestones achieved in 2023, expanding its global influence in renewable energy solutions, increasing partnerships ...



[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 ...



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's largest photovoltaic energy storage

Aug 4, 2024 · Huawei signs world's largest energy storage project Huawei and SEPSCO III Electric Power Construction Co Ltd have signed the 1,300 MWh Saudi Red Sea New City energy



Huawei signs world's largest energy storage project

Dec 4, 2025 · The two sides will work together to help Saudi Arabia build the global clean energy and green economy center. Huawei said the energy storage capacity of the project will reach



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