

Mature energy storage projects in Namibia



Overview

In December 2023, the country signed contracts for its first utility-scale battery energy storage system (BESS) - a 54MW/54MWh project at Omburu Substation [1] [2]. 5 million people?

Wait, no - it's not just. By 2030 the Namibian government plans to increase the share of renewable energies (RE) in its electricity generation from around 30% to 70%. Namibia has great potential for solar and wind energy, but so far it has not been able to store enough electricity. This is to be changed by a large storage. Ever wondered how a desert nation could become a renewable energy trailblazer?

Enter the Windhoek Energy Storage Project - Namibia's \$280 million answer to solar power's "sunset problem."

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Namibia to build first utility scale battery energy storage system in

Namibia's planned new battery storage system brings it closer to reaching its green-energy goal. Its Renewable Energy Policy aims to modernise the energy sector, make it more self-reliant and turn it ...

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The Windhoek Energy Storage Project: Powering Namibia's ...

The Windhoek project uniquely addresses what engineers call the "duck curve dilemma" - that awkward afternoon when solar overproduction threatens grid stability. By absorbing excess ...



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OMBURU BATTERY ENERGY STORAGE SYSTEM (BESS) ...

Surplus electricity from RE generation as well as cheaper electricity imports from the Southern African Power Pool (SAPP) can be stored in the BESS. The stored energy could supply customers during ...



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Namibia 2025 Energy Storage

Project

Key contracts have been signed for the first-ever grid-scale battery storage project in Namibia, signifying the African country's dedication to modernising its energy infrastructure,

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Namibia's power corp launches procurement for 90 MWh battery ...

The project features a 45 MW / 90 MWh BESS facility, representing the country's largest battery, and is part of the broader Transmission Expansion and Energy Storage (TEES) program.

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Namibia's Battery Storage Projects: Progress Since the

Namibia is not yet self-sufficient, but the combination of grid-scale storage and transmission expansion is laying the foundation for a more resilient and renewable-driven power ...

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Namibia's Energy Storage Breakthrough: The 54MW BESS Project ...

As southern Africa's first mover in grid-scale storage, Namibia's not just solving its own energy puzzle. They're creating a



replicable model for the continent's \$12B storage market - and honestly, that's the

...

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First Shipment Arrives for Namibia's Landmark 51MW Omburu Battery

Namibia has reached a major milestone in its renewable energy journey with the arrival of the first shipment for the Omburu Battery Energy Storage System (BESS) Project, the country's first ...



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Mega battery to facilitate breakthrough for renewables in Namibia

In Namibia, one of the largest electricity storage systems in southern Africa is currently being built - financed with a grant from KfW. Namibia has great potential for solar and wind energy, but so far it ...

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Namibia: EPC contract signed for first-ever grid-scale BESS

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project in Namibia, signifying the African country's dedication to modernising its energy infrastructure, ...

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