



# 1000kWh energy storage system in Namibia





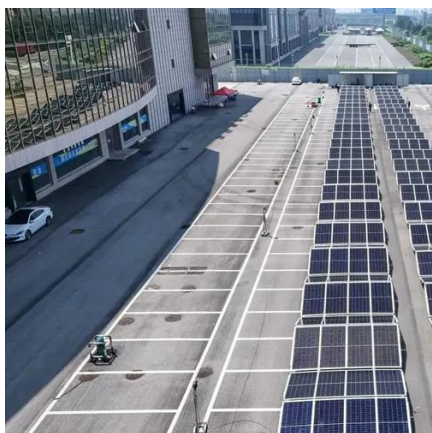
## Overview

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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 has not been able to store enough electricity. Today, a wide variety of energy storage options are available, and can play an important role in shaping Namibia's electricity future. This article explores how the country leverages its natural resources and strategic partnerships to build a resilient energy ecosystem while addressing challenges. NamPower, Namibia's state-owned power utility, has signed a contract with a Chinese joint venture to build the first utility-scale battery energy storage system (BESS) in the country and the Southern African region. The contract was awarded to Shandong Electrical, Engineering & Equipment Group Co. Engineering, procurement and construction (EPC) contracts were signed today (13.



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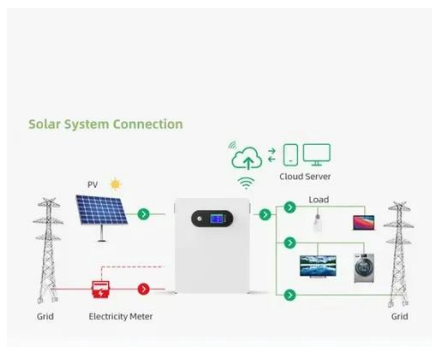


### [The Windhoek Energy Storage Project: Powering Namibia's Sustainable](#)

As the sun dips below the Kalahari dunes each evening, this lithium-ion and flow battery hybrid system kicks into gear, storing enough daytime solar energy to power 90,000 homes through the night [1].

### [Mega battery to facilitate breakthrough for renewables in Namibia](#)

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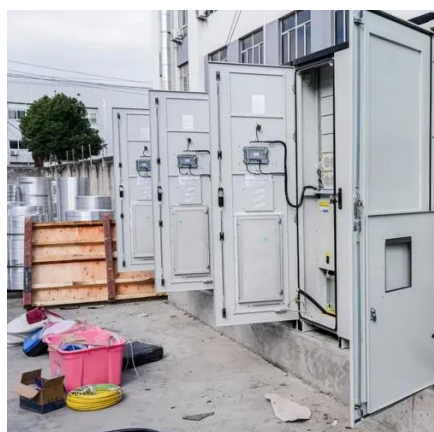


### **Namibia cost of battery storage**

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, according to a top local official.

### [Namibia to build first utility scale battery energy storage system in](#)

NamPower, Namibia's state-owned power utility, has signed a contract with a Chinese joint venture to build the first utility-scale battery energy storage system (BESS) in the country and the Southern African region.



### [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 system.

### [Namibia: EPC contract signed for first-ever grid-scale BESS](#)

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### [Namibia's Energy Storage Breakthrough: The 54MW BESS Project ...](#)

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]. But why should the world care about this project in ...



### [Namibia's Energy Storage Battery Manufacturing: Powering a Sustainable](#)



As global demand for renewable energy solutions surges, Namibia is emerging as a key player in energy storage battery manufacturing. This article explores how the country leverages its natural resources and ...



### ENERGY STORAGE SYSTEMS AND THEIR APPLICATIONS IN ...

In their case, energy storage could readily extend the supply services into periods where the sun is not shining, or the wind is not blowing, which is achieved by using modern energy storage systems.

### OMBURU BATTERY ENERGY STORAGE SYSTEM (BESS) PROJECT

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 peak times and ...





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