

## Solar Energy South Africa

# Namibia besss



IP65/IP55 OUTDOOR CABINET

IP54/55

OUTDOOR ENERGY STORAGE CABINET

OUTDOOR BATTERY CABINET

## Overview

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The Erongo Battery Energy Storage System, also Erongo BESS, is a planned 58 MW (78,000 hp) battery energy storage system installation in . The BESS, the first of its kind in the country and in the region, will be capable of providing 72MWh of clean energy to the Namibian grid.

## Namibia bess

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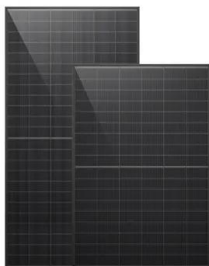


### Namibia Advances Energy Infrastructure with Battery Project

What are Namibia's renewable energy goals and how does the Ombuu BESS project contribute to them? Namibia has set a target for renewables to make up 70% of its generation mix by 2030 and intends for 80% of energy to be domestically produced by the end of the decade. The Ombuu BESS project will contribute to these goals by enhancing grid

### Battery energy storage system set to revolutionize energy sector

In a speech read on her behalf, Wihencia Uiras, Executive Director of Namibia's National Planning Commission, emphasized the significance of the BESS project in the country's energy aspirations. Uiras noted, "The BESS project represents a pivotal step towards achieving our national energy goals," underlining its potential to enhance



### [Erongo Battery Energy Storage System](#)

Summary Location Overview Developers See also External links

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country and in the Southern African region, will be capable of providing 72MWh of clean energy to the Namibian grid.

## Namibia signs for its first grid-scale battery storage project

The JV between the two Chinese companies will deliver the 54MW/ 54MWh battery energy storage system (BESS) at the Omburu substation in Namibia's Erongo region. The project aims to address the demand for power shortages, reduce the impact of unstable photovoltaic power generation on the power grid, and improve the quality of electricity used

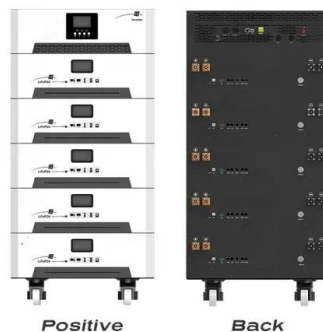


## Hollow Block And Paving Block Machines in Namibia

The quality and features of our machines are suitable for all the countries in Africa including Namibia. Hollow block and paving block machine (both automatic and semi-automatic) are manufactured in Turkey and shipped to all the cities in Namibia. The largest cities in Namibia are Windhoek, Rundu, Walvis Bay

## NomPower and Omburu Bess project boost energy sector , All Namibia ...

The project is the first utility-scale BESS in Namibia and the Southern African region and will eventually establish a 58MW / 72MWh battery energy storage system at the Omburu substation in the



## Namibia's Largest Solar Plant:

## The Rosh Pinah Solar PV Power Plant



NamPower, on Monday did signing on the engineering, procurement, and construction (EPC) contract with a Chinese joint venture for the development of Namibia's Largest Solar Plant project, the 100MW Rosh Pinah Solar PV Power Plant.. The contract that was signed was signed with the Chinese joint venture between China Jiangxi International Economic and ...

## NamPower issues a tender for a battery energy storage system

Namibia plans to source 70% of its power needs from Renewables by 2030 Energy Storage NamPower issues a tender for a battery energy storage system. (BESS) should submit proposals to the state utility by 29 July 2021 at 16:30 Namibian Time.



## Namibia: EPC contract signed for first-ever grid-scale ...

A joint venture (JV) between the two Chinese companies will deliver the 54MW/54MWh Ombuu battery energy storage system (BESS) project in Namibia's Erongo Region, at the existing Omburu Substation. Construction ...

## Namibia

Namibia boasts remarkable natural attractions such as the Namib desert, the Fish River Canyon Park, Etosha National Park and the Kalahari desert. Its people speak nine different languages, including some of the Khoisan languages which include the 'clicks' that present an enigma to most native English-speakers.



## First utility-scale battery energy storage system to be developed in

WINDHOEK, Dec. 13 (Xinhua) -- Namibia's power utility, NamPower, on Wednesday signed an agreement with two Chinese companies for the development of the country's first 54MW/54MWH utility-scale Battery Energy Storage System (BESS). The projected BESS enables electricity to be stored and dispatched when required.

## Scatec reaches financial close for 103MW BESS in South Africa

Renewable energy provider Scatec has reached financial close for the 103MW/412 megawatt hours (MWh) Mogobe battery energy storage system (BESS) facility in South Africa. The company is preparing to begin the construction of the project, Africa's first and largest standalone dispatchable BESS system, near Kathu in the Northern Cape.



## NamPower secures N\$2.6 billion World Bank loan - Namibia ...

NamPower has secured a N\$2.6 billion loan from the World Bank to expand its transmission network and integrate renewable energy into the grid. The first-ever energy project funding from the Bretton Woods Institution will be for the Transmission Expansion and Energy Storage (TEES) Project which is intended to improve the reliability of the country's transmission



## [Project Information Document \(PID\)](#)

Namibia's installed power capacity is 689.4 MW however, Namibia remains heavily dependent on electricity imports to meet demand as detailed in Section B below. The 2022 National Integrated Resource Plan (NIRP) makes commitments as large as 2,850 MW of planned RE generation capacity plus 650 MW of battery energy storage and supply (BESS) by



## Namibia set for first battery storage system

Namibia is set to expand its power storage capacity in the energy sector with the introduction of the first-ever Omburu battery energy storage system (BESS). "The BESS project will help government accomplish its goals by ensuring electricity supply security, cost efficiency and self-sufficiency," said NamPower managing director Kahenge

## NamPower Signs Contract with SDEE, Narada Power for BESS Project

SDEE and Narada Power will deliver the 54MW/

54MWh BESS to NamPower. Namibia Power Corporation (NamPower) has signed major Engineering, Procurement and Construction contracts with Shandong Electrical, Engineering & Equipment Group (SDEE) and Narada Power for the country's first grid-scale battery energy storage project.

**APPLICATION SCENARIOS**

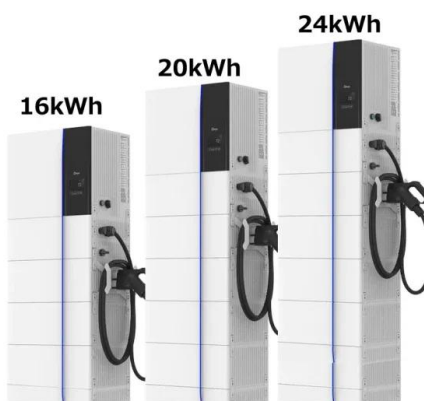


**Erongo Battery Energy Storage System**

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**BESS becomes a reality**

11 Months Ago - 2023-12-18 09:05:00 Germany's KfW Development Bank, the National Planning Commission and NamPower signed a grant agreement for N\$400 million towards the implementation of the first utility scale Battery Energy Storage System (BESS) in Namibia, and the Southern African region at large.



**Chinese consortium secures BESS project from Namibia's ...**

Namibia's state-owned power utility, NamPower, has selected the Chinese consortium of Shandong Electrical, Engineering & Equipment Group Company Limited and Zhejiang Narada Power Source Company Limited, for the engineering, procurement and construction (EPC)

contract for the Omburu battery energy storage system (BESS) in central-west Namibia

## Battery energy storage systems (BESSs) and the economy ...

The energy price  $c_{BESS}$  for battery charging comprises of two parts:  $c_{BESS} = c_{BESS\ kWh} + c_{BESS\ avail}$ , where  $c_{BESS\ kWh}$  is the price of energy for BESS charging and  $c_{BESS\ avail}$  is the availability cost of BESS capacity, i.e., the cost to have 1 kWh of storage capacity available:  $(12-6) c_{BESS\ avail} = C_{BESS\ Life\ BESS}$  where  $Life\ BESS$  is



## NamPower gets N\$400m battery system grant

Africa-Press - Namibia. The Namibian government through the National Planning Commission (NPC) and NamPower this week signed a N\$400 million grant agreement for the development of the first ever utility scale Battery ...

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