



Retail of Large-Capacity Mobile Energy Storage Containers in Africa





Overview

Discover the current state of energy storage companies in Africa, learn about buying and selling energy storage projects, and find financing options on PF Nexus.

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ESS News is indebted to the Africa Solar Industry Association (AFSIA) for detailing the ongoing renewable build-out, where developments are growing and the need for storage is clear. At the start of 2025, AFSIA provided the following chart showing the boom in installations: Across Africa, there are.

As noted by AFSIA Solar, one of the most notable solar-plus-storage developments in Africa is Norway-based independent power producer (IPP) Scatec's 225MW/1,140MWh Kenhardt project in South Africa. The site started operation in late 2023 (pictured above). How has energy storage changed in 2022?

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Africa's energy storage market has seen a boom since 2017, having risen from just 31MWh to 1,600MWh in 2024, according to trade body AFSIA Solar's latest report. The Solar Africa Solar Outlook 2025 details that energy storage has become a critical complement to variable renewable energy (VRE).

As Africa accelerates its transition toward sustainable energy systems, the continent's energy storage market is poised for transformative growth. LondianESS, as a pioneer in smart energy solutions, analyzes the key drivers and emerging opportunities that will shape Africa's storage landscape.

Battery Energy Storage Systems (BESS) are highly versatile, with applications ranging from short-to-medium-term utility-scale grid support to behind-the-meter commercial and industrial installations. Additionally, other technologies such as thermal storage and flow batteries are emerging as viable.

A 2024 survey by the African Solar Industry Association found that energy storage



initiatives and projects across Africa have the combined capacity of 18 GWh. As battery technology advances, existing solar plants and other renewable energy projects will likely integrate next-generation batteries.



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