

SolarInnovate Energy Solutions

North Africa Power Storage Applications



Overview

Are energy storage boom times extending to Africa?

Boom times for energy storage have extended to the continent of Africa, with a 10-fold increase in installed storage supporting grids and renewable energy penetration.

How many storage projects are under development in Africa?

In total, AFSIA says around 18GWh of storage projects are under development across Africa. Tristan is an Electrical Engineer with experience in consulting and public sector works in plant procurement. He has previously been Managing Editor and Founding Editor of tech and other publications in Australia.

What is the Drakensberg pumped storage scheme?

Designed to generate electricity for 10 hours per day through its four 250 MW turbine generators, the Drakensberg Pumped Storage Scheme is an energy storage facility, situated in the northern parts of the Drakensberg Mountain range of South Africa, which provides up to 27.6 GWh of electricity storage.

How much power does afsia have?

AFSIA recorded annual capacity stalled at just around 50 MWh until 2022, which tripled in 2023 to over 150 MWh. In 2024, an estimated 1,500 MWh was installed across African nations.

How many MWh is installed in Africa in 2024?

In 2024, an estimated 1,500 MWh was installed across African nations. Accounting for more than half of this figure alone was the Kenhardt 1-2-3 project by Norwegian renewables developer Scatec, a solar-plus-storage plant successfully commissioned in 2024.

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