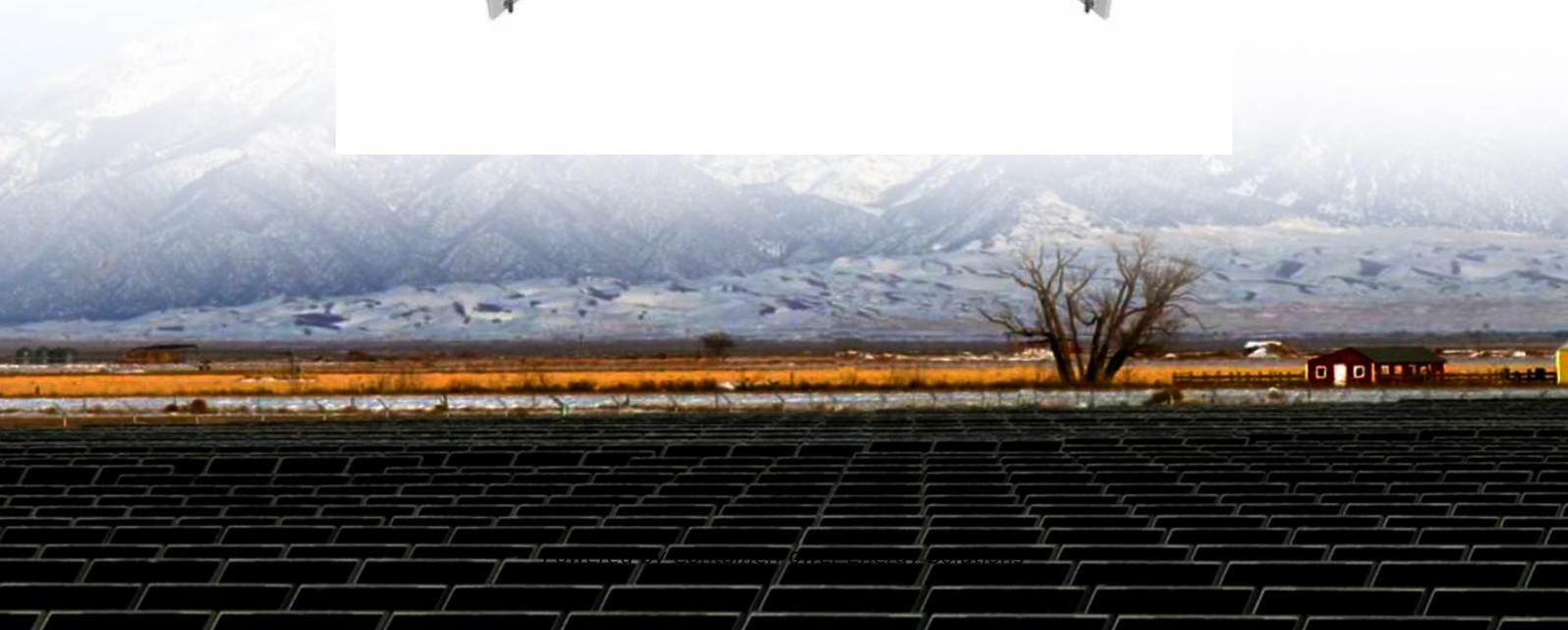


## ContainerPower Energy Solutions

# South African market for portable solar energy storage equipment



## Overview

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What is solar energy in South Africa?

Solar energy is a rapidly expanding market in South Africa, with grid-connected solar photovoltaic (PV) systems experiencing significant growth. Currently, over 20% of South Africa's electricity generation comes from renewable sources, with solar PV accounting for approximately 6%.

Does Scatec have a solar-plus-storage site in South Africa?

Scatec's Kenhardt solar-plus-storage site in South Africa (above), which went online at the end of 2023. Image: Scatec. 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.

What are the most popular solar-plus-storage developments in Africa?

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).

What is the future of solar energy in South Africa?

By technology, photovoltaic (PV) installations commanded a 93.1% revenue share of the South Africa solar energy market in 2024, whereas concentrated solar power (CSP) is forecast to advance at a 14.9% CAGR through 2030.

Does South Africa have a solar power plant?

In January 2024, South Africa's state-owned power utility, Eskom, announced a partnership with SolarReserve to develop a 100 MW solar thermal power plant in the Northern Cape Province. This collaboration aimed to address energy security issues and reduce the country's carbon emissions (Eskom Press Release, 2024).

Is solar PV a focal energy resource for Africa?

Solar PV, which, as reported by our colleagues at PV Tech in their write-up of the AFSIA report, reached 19.2GW in 2024, increasing by 2.5GW on 2023 levels, is becoming the focal energy generation resource for Africa.

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