



**SolarTech Power Solutions**

# **South Africa 100MW hybrid energy storage power station**



## Overview

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In 20+ years we have become the largest power & water developer in the GCC region, and a name to contend with internationally. The 100MW Redstone Concentrated Solar Power (CSP) plant forms part of the South African Renewable Energy Independent Power Producer (REIPP) Procurement Program and is the.

The Redstone Concentrated Solar Plant (CSP) near Postmasburg in the Northern Cape recently reached full commercial operation, adding 100MW of generating capacity and 1,200MWh energy storage to South Africa's grid. The development comes after Redstone was synchronised to the network for the first.

Oya Energy Hybrid Facility is the first and largest renewable energy project of its kind: A hybrid dispatchable facility consisting of solar, wind and storage. Combining solar, wind, and storage systems ensures consistent and reliable energy supply. This integration optimizes renewable energy use.

According to the report, Scatec, a Norwegian renewable energy company, has unveiled the Kenhardt solar farm in the Northern Cape, boasting a capacity of 540 MW. This project, featuring 225 MW of battery storage and a total storage capacity of 1.1 GWh, ranks among the largest hybrid power.

This 100MW solar power plant was completed in record 80% of stipulated timelines, and nearly 3 months ahead of the stringent schedule. The 100 MW plant is expected to generate nearly 160 million units (kWh) of energy per year and help offset approximately 110,000 tonnes of CO<sub>2</sub> in the first year.

October 2023) ABO Wind has closed the sale of the project rights for a photovoltaic project in South Africa. The project is the third photovoltaic facility within a cluster comprising a total of 300 megawatts. It has a nominal capacity of 100 megawatts and is located on 450 hectares of privately.

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