

SolarTech Power Solutions

Pretoria new energy storage project



Overview

Under a 15-year Power Purchase Agreement (PPA) with Eskom, the Oasis projects will leverage advanced battery storage technology to store energy during off-peak periods and distribute it when demand is highest. What is battery energy storage project?

The Battery Energy Storage Project (Project) provides a solution to address both challenges. The Project can store excess renewable energy in low demand periods and release the energy during peak hours, meeting the demand with energy from renewable resources and minimizing the use of fossil-fuel based generation.

How much energy storage capacity does South Africa have?

South Africa had 1,604.6kW of capacity in 2022 and this is expected to rise to 3,519.9kW by 2030. Listed below are the five largest energy storage projects by capacity in South Africa, according to GlobalData's power database. GlobalData uses proprietary data and analytics to provide a complete picture of the global energy storage segment.

What will South Africa's oasis projects deliver?

South Africa's Oasis projects will deliver 257 MW battery storage, enhancing grid stability and driving renewable energy innovation.

What is Kenhardt solar PV Park – Battery energy storage systems?

The Kenhardt Solar PV Park – Battery Energy Storage Systems is a 225,000kW lithium-ion battery energy storage project located in Kenhardt, Northern Cape, South Africa. The rated storage capacity of the project is 1,140,000kWh. The electro-chemical battery storage project uses lithium-ion battery storage technology.

What is Ilanga – thermal energy storage system?

The Ilanga I – Thermal Energy Storage System is a 100,000kW molten salt

thermal storage energy storage project located in ZF Mgcawu, Upington, Northern Cape, South Africa. The thermal energy storage battery storage project uses molten salt thermal storage storage technology. The project will be commissioned in 2020.

What is Redstone solar power project – thermal energy storage system?

The Redstone Solar Thermal Power Project – Thermal Energy Storage System is a 100,000kW molten salt thermal storage energy storage project located in Postmasburg, Northern Cape, South Africa. The rated storage capacity of the project is 1,200,000kWh.

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