



Place Your Ad Here

[Top Solar Projects](#)

15 Biggest Solar Projects in South Africa 0 Comments

June 28, 2023 11:56 am



South Africa is a leader in the development of renewable energy. A wealth of renewable energy resources such as [solar photovoltaic \(PV\)](#) and [concentrated solar power \(CSP\)](#).

Jasper Solar Power Project—96MW

The Jasper Solar Power Project is another solar farm in the Northern Cape. It is a 96MW plant with [solar panel installation](#) of 325,000 that has been operational since October 2014.

SolarReserve, an American business, built the facility for ZAR2.3 billion.

The facility generates 180 GWh of electricity per year, enough to power 80,000 South African homes, and offsets approximately 145,000 tons of CO₂.

Jasper has a 20-year power purchase agreement (PPA) with Eskom, like many of the other solar projects mentioned.

Mulilo Sonnedix Prieska PV—75MW

Mulilo Prieska PV, which was finished in 2016, is another solar facility in the Northern Cape region, this time at Copperton, a former zinc mining town.

The project, which covers 125 hectares and is made up of 275,000 solar panels connected by 990 kilometers of wire, has a 20-year lifespan and can power 40,000 homes.

Sonnex, a global solar manufacturer, and Mulilo Renewable Energy, a South African corporation, collaborated on the project.

Mulilo also has a project called Mulilo Prieska PV that is of similar magnitude. The solar farm, which has a capacity of 75MW, was created in conjunction with organizations like Total and Sunpower, which provided engineering, procurement, and construction services.

Xina Solar One – 100MW

Xina Solar One is a 100MW concentrated solar power (CSP) facility in Pofadder, South Africa, developed by Abengoa with a \$880 million investment.

In September 2017, the plant began commercial operations. The CSP plant uses parabolic trough technology and has a thermal energy storage capacity of 5.5 hours.

The plant's parabolic trough collector is considered the world's largest commercial CSP project to date.

The project is expected to produce around 400GWh of electricity, enough to power 95,000 homes while reducing CO₂ emissions by 348,000 tons per year.

Dreunberg—75MW

The Dreunberg Solar PV Park is a 75-megawatt solar power plant. It is situated in the Eastern Cape province of South Africa. Currently, the project is in progress.

It was created in a single phase. The project was commissioned in December 2014 once the construction was completed.

Scatec was in charge of the project's development. Scatec and STANLIB are the current proprietors of the project, with 45 percent and 10.45 percent ownership stakes, respectively.

Dreunberg Solar PV Park is a 225-hectare solar project with ground-mounted solar panels.

The project generates 156,000MWh of electricity and provides enough clean energy to power 38,000 homes, resulting in a CO₂ reduction of 144,000t per year.

The total cost of the project is \$253.22 million.

Kalkbult solar power plant—75MW

The Kalkbult solar power station is a 75MW facility in South Africa's Northern Cape region. From January to September 2013, the factory was built in eight months and finished three months ahead of schedule.

It is owned by Scatec Solar, a Norwegian firm that, like Solar Capital, has a power purchase agreement with Eskom.

The Kalkbult facility, which is made up of 312,504 solar modules spread over 112 hectares, produces 150,000MWh of energy every year, enough to power 35,000 households in South Africa.