

UTILITY-SCALE PV POWER PLANT – NAMIBIA, 2016

HOPSOL OTJOZONDJUPA SOLARPARK – 5 MW



Otjozondjupa Solar Park, developed by HopSol Africa, was built within only 3 months and is the largest grid-connected solar PV plant in Namibia to date. The 5 MW PV power plant accounts for approx. 1 percent of the country's total electricity capacity and produces enough power to supply 3,700 households in Namibia. The project displaces 19,000 metric tons of water per year since solar power requires no water for power generation and consumes less water than most other conventional and renewable generation technologies in the production process.

Project

- Location: Grootfontein, Namibia
- Commissioning: 2016
- Specific requirements: Hot temperatures; cloudy times with low light conditions

Plant information

- Nominal power: 5 MWp
- Annual energy yield: approx. 14,000 MWh
- CO2 Savings: approx. 9,839 t/year
- Gasoline Savings: approx. 300,000 litres/ year

System Technology

- 93 SMA Sunny Tripower 60
- 3 SMA Inverter Manager
- 52,000 First Solar Thin Film Modules

SMA system solutions for utility-scale PV applications

