

Solar Energy South Africa

Solar gas turbine power generation



Overview

How solar-assisted gas turbines can be used to generate electricity?

The thermal energy of sun can be applied in various configuration to generate electricity. Solar-assisted gas turbines are appropriate technology in power generation due to their some advantages such as lower greenhouse gas emission compared with conventional fossil fuels plants.

What is Solar Turbines?

Solar Turbines provides power generation energy solutions like cogeneration, power generation modules, energy storage and mobile power. Financing available.

Can solar gas turbines generate electricity?

Madhlopa 47 reported that by applying solar gas turbines it is possible to generated electricity with levelized cost equal to 0.06 US\$/kWh which is much lower compared with some coal power plants with 0.092-0.095 US\$/kWh levelized cost of electricity.

How do solar gas turbines work?

The burnt gas mixture expands and turns the turbine, which can be connected to a generator for electricity production. Solar gas turbines offer an important alternative to conventional gas turbines driven by non-renewable, polluting fossil fuels such as diesel or natural gas.

What is a solar® gas turbine used for?

solutions using a Solar® gas turbine. Solar's products are used for combined heat and power (CHP), base-load electricity, distributed power, combined-cycle, peak shaving, district heati.

Why should you choose Solar Turbines?

Solar's modular concept for gas turbine generator sets has been optimized for transportation and civil works resulting in shorter installation times. A complete mobile power plant for short-term power generation requirements. Solar Turbines offers a wide range of financing options to support your Power Generation project.

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Solar Turbines: Delivering Rugged and Reliable ...

Solar Turbines is one of the world's leading manufacturers of industrial gas turbines. Their turbines are used in electric power generation, gas compression and pumping systems. You can see how the turbines work in the video. Did ...

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