

Turbine generator solar power station





Overview

What is a solar turbine?

Solar turbines, as opposed to conventional photovoltaic panels, utilize concentrated solar power (CSP) to power turbine systems, offering a scalable method for generating electricity.

How do Solar Turbines work?

In the solar turbines, steam is converted into mechanical energy, to power the steam generator, for electricity production. In advanced solar based power generating systems, tracking systems are attached to focus the solar radiations onto the receiver, throughout the day, with the change in position of sun in the sky.

What is a gas turbine generator package?

Our standard power generation packages are suitable for operations in any environment. Our gas turbine generator packages can be used in combined-cycle systems or in combined heat and power plants, where the turbine exhaust heat can be recovered for processes requiring thermal energy.

Are Siemens steam turbines suitable for solar power plants?

Siemens Energy steam turbines are the most often used power generation product in solar thermal power plants. Our tailored steam turbines are reliably operating in all common concentrated solar power (CSP) plant types.



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[Solar explained Solar thermal power plants](#)

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[Concentrating Solar Power Basics , NLR](#)

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