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Title: Axial flow generator for solar power station

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It takes the advantage of the chimney effect and the temperature difference in the collector that produces negative pressure to cause the airflow in the system, converting solar energy into ...

A large-scale, axial-flux, permanent magnet generator concept was developed with a specific application for a hydrokinetic run-of-river system--a min 10 MW power plant.

Mean-line flow path designs for a large-scale axial turbine, for installation in a 100 MW e CSP plant, were presented for different blends based on carbon dioxide, namely CO<sub>2</sub> ...

Since the turbine is the key component of the SCPP, this article presents a comparative simulation study of three different designs ...

Since the turbine is the key component of the SCPP, this article presents a comparative simulation study of three different designs of the SCPP turbine in order to ...

It demonstrates the advantages of virtual prototyping when assessing various design parameters such as air gaps, coil thickness, and the number of rotor disks. Several ...

The working principle of axial flow turbines involves converting the energy of a fluid into rotational motion, commonly seen in applications such as hydroelectric power plants, ...

First, the energy characteristics and pressure fluctuations in the pump of the large axial flow pump station system are experimentally tested under reverse power generation ...

At GreenSpur, we specialise in developing axial flux generator technology that revolutionises power

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generation. Unlike traditional radial flux designs, axial flux generators are more ...

Axial Flux Generator is a permanent magnet generator commonly used for low-speed power generation using wind power. This generator can generate useful amount of power even under ...

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