

# Fengshun Geothermal Power Generation



## Overview

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Fengshun geothermal field is the first medium and low temperature geothermal area in China, which is used for electricity generation. This power plant generated electricity power using geothermal fluids of 92°C. In. Geothermal power generation has the highest capacity factor among renewable energy power generations. To improve the utilization efficiency of the geothermal water, an integrated. Geothermal resources are clean and renewable energy, with rich reserves and wide distribution, and the carbon emission coefficient of geothermal power generation is far lower than that in the process of thermal power generation, which should play an important role in the process of carbon.

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### Cascade Utilization of Low Enthalpy Geothermal Water from the

The Fengshun geothermal power plant is a single-flash experimental geothermal power plant located in Fengshun County, China. After power generation, the geothermal water is still 72oC with a mass flow ...

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### The Present Situation and Development Prospect of Geothermal ...

The first pilot geothermal power plant with capacity 86kW was built in Dengwu village, Fengshun county, Guangdong province in 1970. This power plant generated electricity power using geothermal fluids of ...



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### Numerical simulation of electricity generation potential thr

In this work, based on the geological data of the well ZK11, we proposed a new heat exploitation scheme with five vertical wells and a binary system, computed the power generation



potential and efficiency, ...

## The Current Status and Prospect of Geothermal Power

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To promote its development, this paper first reviews the development status of geothermal power generation in China, then analyzes the main factors restricting its development, and finally discusses ...



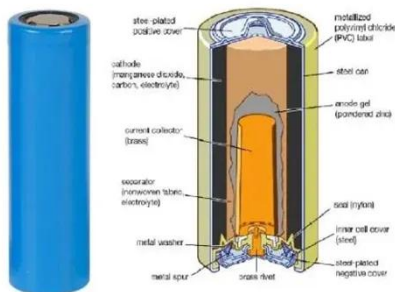
## Numerical investigation of electricity generation potential by wa

Fengshun geothermal field is the first medium and low temperature geothermal area in China, which is used for electricity generation. At present only vertical wells are employed to extract heat energy. ...

## Frontiers , Thermo-Economic

## Comparison Between Organic Rankine ...

To fill up this research gap, thermo-economic comparison between the ORC and the BFC driven by geothermal energy is conducted. Furthermore, a case study in the Fengshun geothermal ...



## Geothermal Power Generation in China: Past and Future

The first geothermal power station is located in Dengwo Village of Fengshun County, Guangdong province in China. It started geothermal power generation on December 12th, 1970.

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