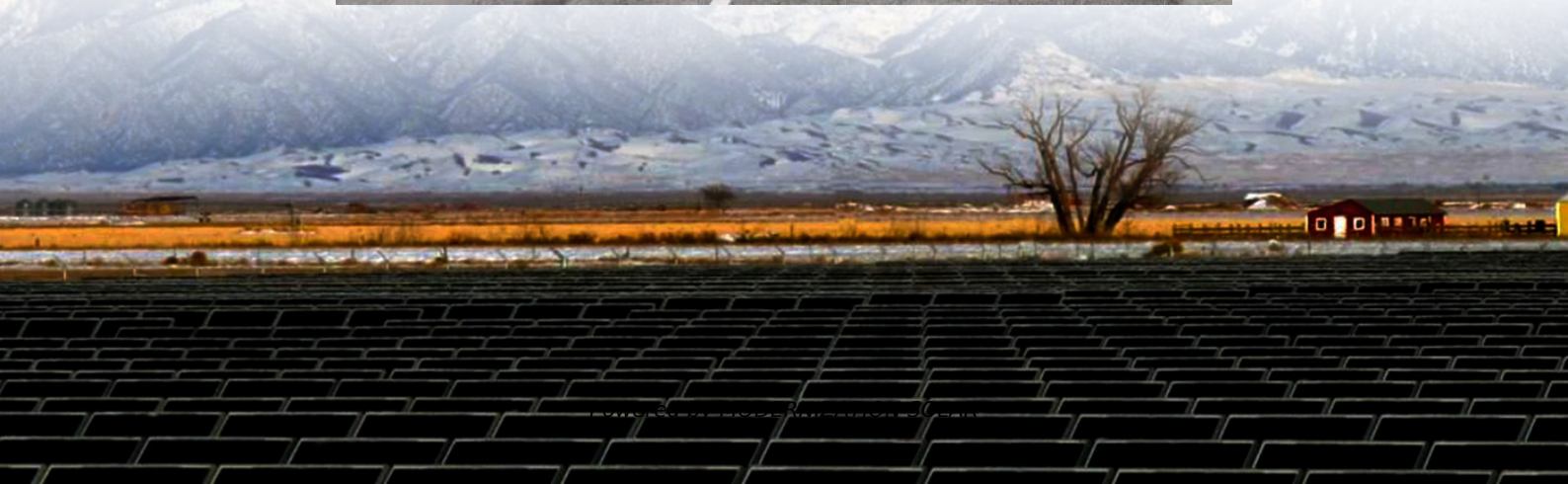
MODERNIZATION SOLAR

Multi-energy solar energy complementary cooling and heating system



Overview

What is the methodology of a multi-energy complementary power system review?

The methodology of this review work could be divided into four steps. The first step was to determine the theme of the review, which is multi-energy complementary power systems based on solar energy. The second step was to search and classify the relevant references.

What are multi-energy hybrid power systems using solar energy?

The multi-energy hybrid power systems using solar energy can be generally grouped in three categories. The first category is the hybrid complement of solar and fossil energies, including solar-coal, solar-oil and solar-natural gas hybrid systems.

Can a multi-energy complementary CCHP system be optimized collaboratively?

This paper proposes a collaborative optimization scheduling strategy for a multi-energy complementary CCHP system consisting of solar photovoltaics (PVs), wind turbines (WTs), a power generation unit (PGU), a heat pump (HP), an absorption chiller (AC).

Can a combined cooling and heating system be based on an absorption heat pump?

This study proposes a combined cooling and heating system based on an absorption heat pump, which uses a variety of clean and renewable energies, such as solar heat, geothermal, waste heat, biomass, and air-source energy, to achieve the combined cooling and heating in a wide temperature range from -20 ℃ to 90 ℃.

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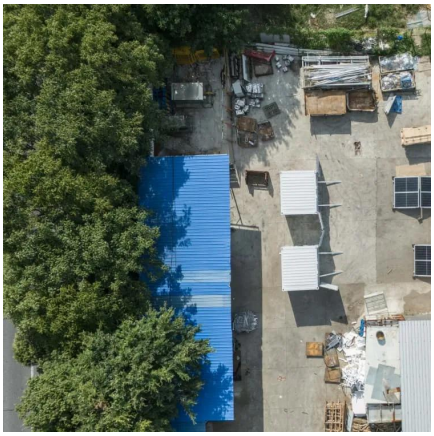

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