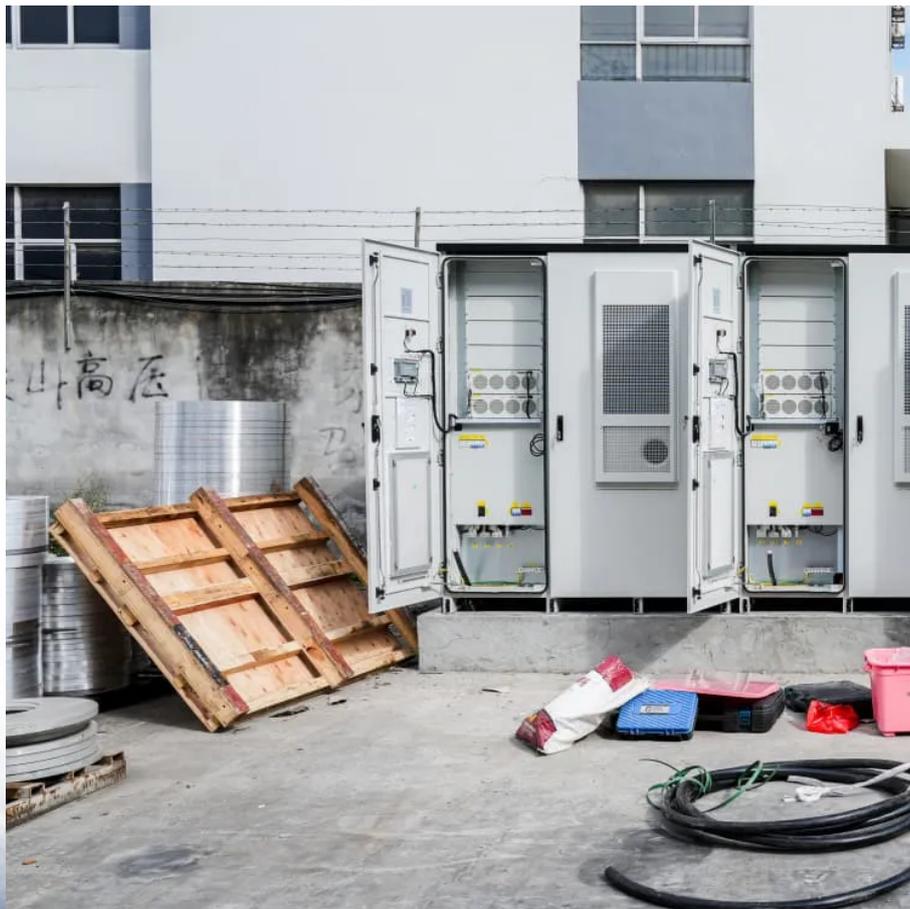


China s solar container communication station wind and solar complementary frequency





Overview

Is there complementarity between wind and solar resources in China?

Compared with the literature , that used Kendall Tau correlation coefficients to assess the complementarity between wind and solar resources in China based on the observation data from 289 meteorological stations, the similarly spatial distribution of the complementarity is expressed in this study.

What is the spatial distribution of wind and solar resources in China?

Therefore, the spatial distribution of wind and solar resources in China is basically consistent with their complementarity, which is beneficial to the development of wind and solar power and the construction of the new power system.

Is there a correlation between wind and solar energy in China?

By calculating the Kendall rank correlation coefficient between wind and solar energy in China, the study mapped the spatial distribution of wind-solar energy complementarity. Han et al. proposed a complementary evaluation framework for wind-solar-hydro multi-energy systems based on multi-criteria assessment and K-means clustering algorithms.

What are the characteristics of wind and solar energy potential in China?

Wind and solar energy potential show similar characteristics in most parts of China, especially in the northern and southern parts of China. A few regions exhibit complementary characteristics, including the southeastern coastal areas and northeastern regions.



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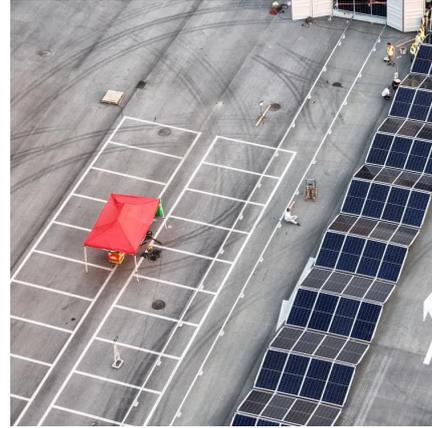


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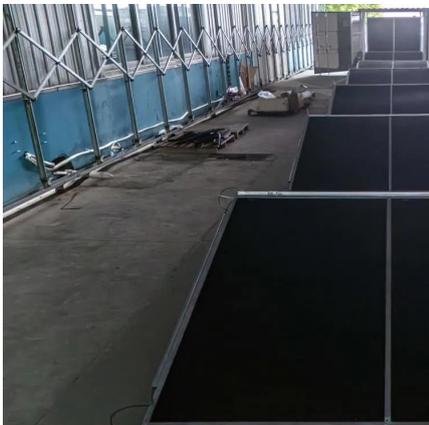
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