



BUHLE POWER

Shengsheng Solar Power Generation System





Overview

How is solar energy used for power generation in China?

Solar energy is used for power generation in two main ways: photovoltaic (PV) and concentrated solar power (CSP) (Desideri and Campana, 2014). At present, PV technology in China has become mature after decades of development.

What is the potential of solar power generation in China?

Chen et al. developed a comprehensive solar resource assessment system based on the GIS + MCDM method in 2019. This system was applied to the assessment of the potential of PV power generation in the countries under the “Belt and Road” initiative. The results showed that the PV potential of China is 100.8 PWh.

How is PV power generation potential assessed in China?

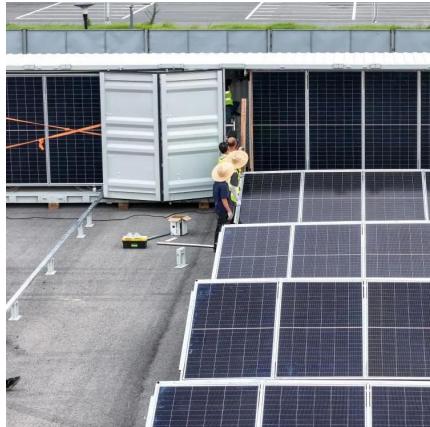
This study used a PV power generation potential assessment system based on Geographic Information Systems (GIS) and Multi-Criteria Decision Making (MCDM) methods to investigate the PV power generation potential in China.

Where is solar power generated in China?

Spatial distribution of annual theoretical power generation of China in 2015. The results of theoretical PV power generation show that the high-value areas are mainly concentrated in the Qinghai-Tibet Plateau, followed by Northwest China and Yunnan, where are rich in solar radiation resources.



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