
China Desert Power Base Station

Can a photovoltaic power station be built in the desert?

“Building a photovoltaic power station in the desert is not easy, and requirement for solar equipment is higher due to the windy and sandy environment in the desert,” Miao Ruijun, deputy head of Mengxi New Energy Dalad Photovoltaic Power Station in SPIC Nei Mongol Energy Co, told the Global Times at the site on Saturday.

How to manage a solar power station in the desert?

Miao noted that to better manage running of the station in the desert environment and save personnel needed onsite, it has adopted smart PV solutions provided by Huawei Technologies, including solar inverters, power carrier communication (PLC), intelligent IV diagnosis, as well as intelligent photovoltaic management system.

What should China do about desert ecosystems?

China should conduct thorough assessments to understand and mitigate the effects of renewable energy development on desert ecosystems. Projects should be designed to preserve arid ecosystems rather than making them greener. In addition, China must address the impact of project plans on local communities.

Why is China building a solar power plant?

The construction comes as China - already a world leader in renewable energy innovation and production - has been ambitiously expanding its solar and wind power projects across the country to achieve clean climate targets over the past years.

Results show that PV power stations in China's 12 biggest deserts expanded from 0 to 102.56 km² from 2011 to 2018, mainly distributed in the central part of north China. The ...

The Junma station is a part of the Dalad Photovoltaic Power Base in the Kubuqi Desert, the seventh largest desert in China, which was approved by the National Energy ...

Employees install photovoltaic panels at a solar power station in the Tengger Desert in Gansu province. [Photo/Xinhua] Construction of the second phase of China's largest ...

China's first large-scale photovoltaic testing base in the Gobi Desert began operation on Friday in Otog Front Banner, Inner Mongolia, according to China Energy ...

The project Na is working on is the first phase of the Kubuqi Desert Ordos Central-Northern New Energy Base. As one of China's first large-scale renewable energy bases with a ...

Inner Mongolia Energy Group has started constructing a large-scale new energy storage power station in the Ulan Buh Desert, the eighth-largest in China, to better harness ...

On February 26, the largest-scale Sand, Gobi, and Desert new energy export base power project in China, with the highest total investment and the highest proportion of new ...

Given the importance of desert ecosystems and their services to local populations, China must ensure the sustainability and compatibility of desert renewable energy projects ...

China's first large-scale renewable energy transmission base in the Gobi Desert and other arid regions has officially begun operation, with the first two coal-fired power units, ...

This 100-megawatt photovoltaic desert control power station is Bayannur's first 100,000-kilowatt photovoltaic + ecological control power station. The photovoltaic area of the ...

The Kubuqi Desert, China's seventh-largest, located in Inner Mongolia Autonomous Region, was once known as the "sea of death." However, it boasts abundant solar resources ...

The base is designed to be a major power source for the ultra-high-voltage (UHV) direct current (DC) power transmission project sending Xinjiang's green electricity directly to ...

A mega solar and wind power base under construction in China's seventh-largest desert Kubuqi in the Inner Mongolia autonomous region, is set to become the world's largest ...

On December 10, China Longyuan Power Group Corporation Limited, a subsidiary of CHN Energy, carried out a wind and solar resource survey in the Badain Jaran Desert, ...

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