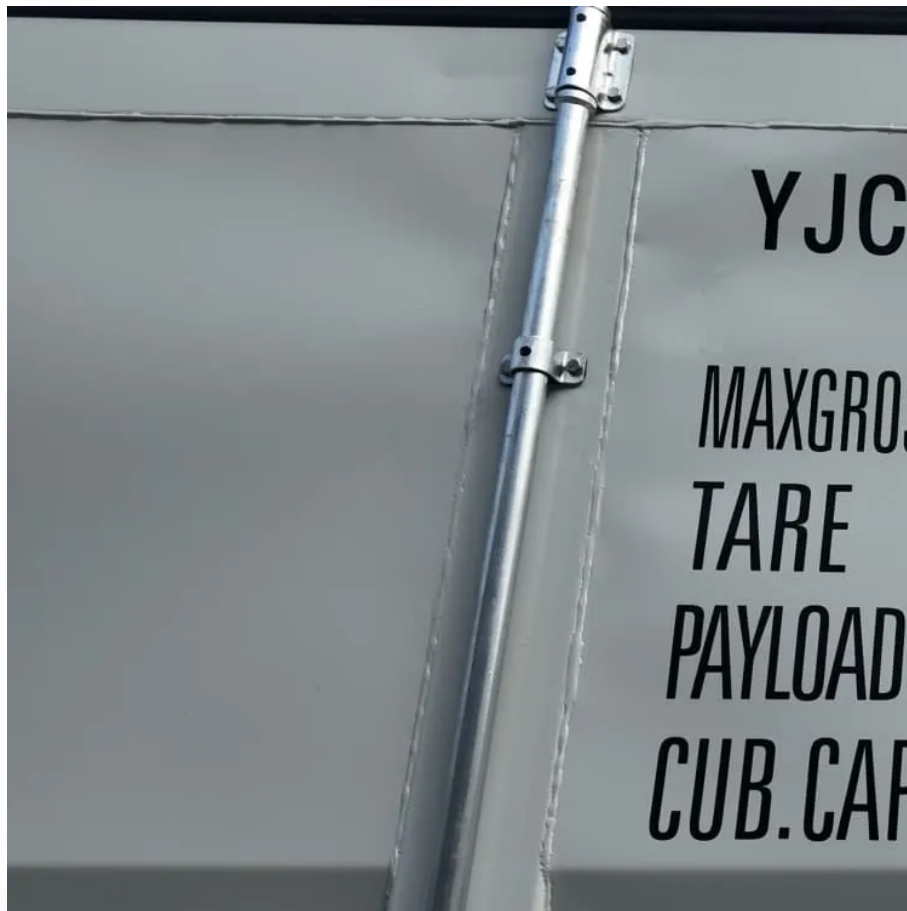


Outdoor high-precision wind power base station





Overview

Can a high-precision geographic scale be used to assess wind energy resources?

Assessments at the high-precision geographic scale of 1 km are not widely utilized, but some researchers have conducted preliminary assessments of wind energy resources in China.

Which regions in China have a high potential for wind power?

Hebei (71.4 GW) and Guangxi (56.2 GW) have medium potential for both onshore and offshore wind power. Overall, China's available wind energy resources exhibit a high potential distribution in the "Three North" (Northeast, North China, and Northwest) regions, which do not match the distribution of electricity demand.

What is Shandong province's wind power development potential?

Shandong Province's offshore wind development potential ranks second at 67 GW, while its onshore wind power development potential is about 36 GW. Moreover, wind-solar-storage integrated energy systems are rapidly developing in Shandong.

Where is wind energy available in China?

Wind power is widely available throughout China, especially along the southeast coast and nearby islands, as well as the northern areas. There are also several individual inland locations with abundant wind resources, and offshore wind energy is also abundant. The high-potential areas for wind development can be divided into three categories.



Outdoor high-precision wind power base station

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A wireless communication link must therefore be used between the base station and user receiver, for example radio modem or GSM.

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