

# **Price of wind and solar complementary equipment for solar container communication stations**





## Overview

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How to reduce LpSP in complex solar-wind systems in China?

Capacities of complex solar-wind systems are optimized in various locations of China. Wind and solar energy intensity and complementarity affect system performance. Electric heater with TES and power cycle can greatly reduce LPSP economically. CSP plant is recommended to be introduced in most regions when low LPSP is pursued.

Do wind and solar energy resources influence system design and operating performance?

The above study can clarify the influence law of wind and solar energy resources on the system design scheme and operating performance, which is of great value for the application and popularization of the hybrid system.

Why do wind and solar energy systems have a lower LCOE?

However, there are also cases where the systems in locations with worse wind and solar energy resources achieve lower LCOE. This is because the better complementary characteristics of wind and solar energy reduce the redundant configuration of devices and thus reduce the initial investment costs.

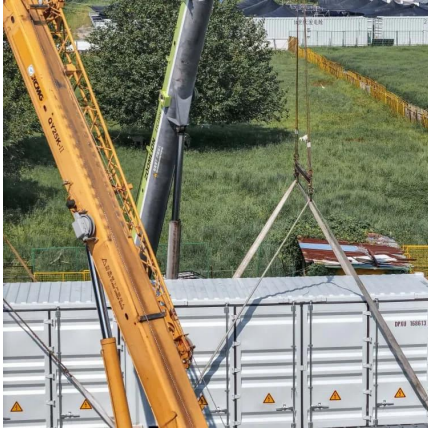
Should a CSP system be integrated into a power supply system?

To pursue high power supply reliability with good economic performance, the CSP technology is recommended to be integrated into system in most regions, except for locations with particularly prominent wind energy resources and mediocre or even poor DNI conditions.



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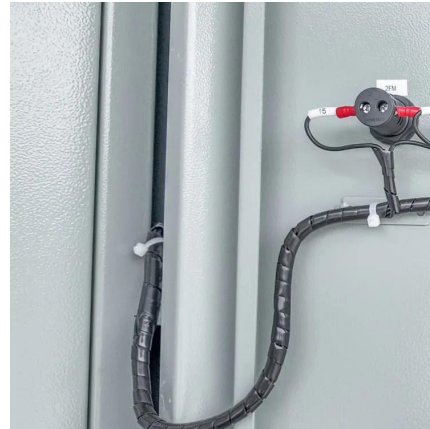
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