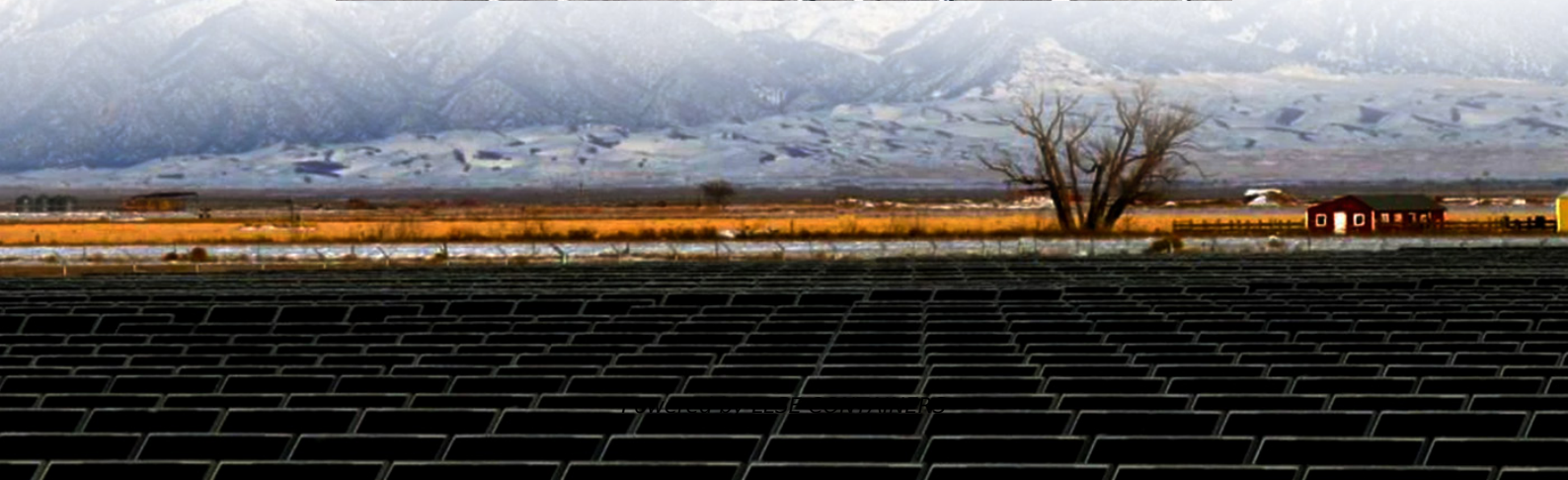


Economic Project Using Photovoltaic Containers for Exchange





Overview

Does Household PV affect the economic benefits of the project?

According to the results of the sensitivity analysis, the proportion of household PV has a small influence on the project's benefits, but as rural areas in China account for a large proportion of the national total land area, the economic benefits of the project can be guaranteed to a certain extent.

Can photovoltaic replace high-carbon energy sources?

With the growing greenhouse effect and energy crisis, photovoltaic accelerates the replacement of high-carbon emission energy sources in the energy sector (Ahmad et al., 2020; Ghosh et al., 2023).

Will PV power systems grow in 2022?

According to the International Energy Agency's PV Power Systems Program (2022) (Abdullah-Al-Mahbub et al., 2023), the global installed PV capacity will exceed 942 GW by the end of 2021, and continuous price reductions in the battery storage area will result in a growing market for distributed PV power systems (Jäger-Waldau, 2022).

Why is distributed photovoltaic generation important?

Distributed photovoltaic generation is an important measure to address climate change and boost rural revitalization. In the context of new energy grid parity, driving rooftop distributed photovoltaics to participate in the green power trading market is an inevitable necessity for energy and market development.



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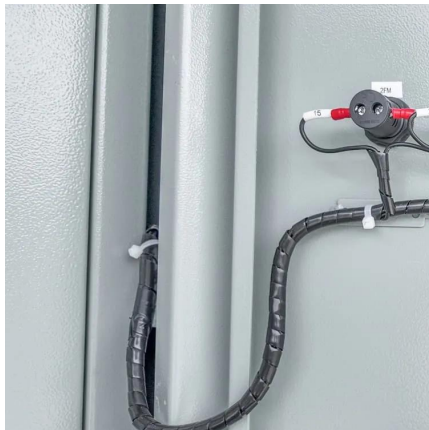
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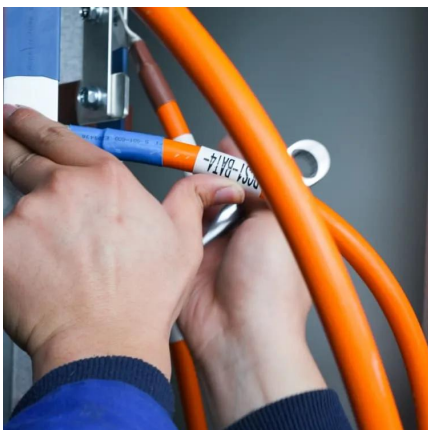
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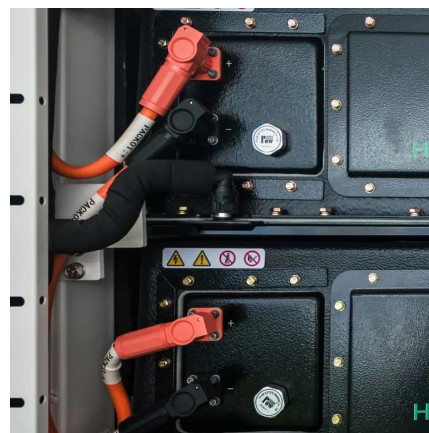
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