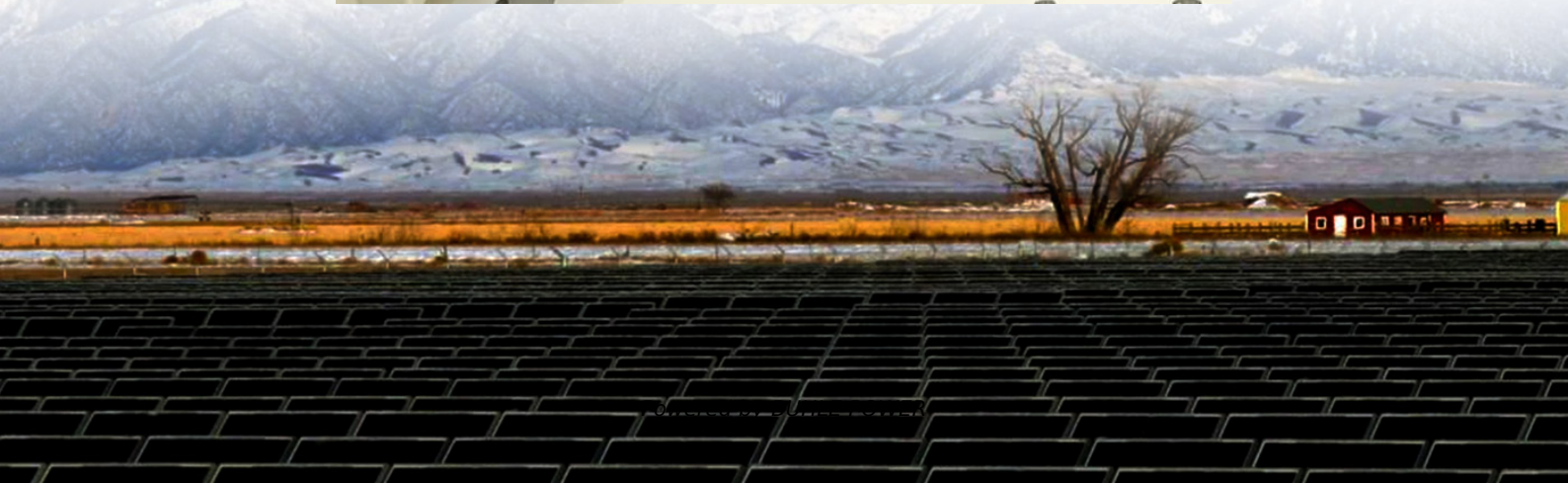


100 Yuan solar container outdoor power Cost- effectiveness





Overview

How much does solar power cost in China?

In particular, in the economically developed eastern provinces (e.g. Shanghai, Zhejiang, Jiangsu, Guangdong etc.), the PV electricity (mainly BIPV) is 0.67–0.86 RMB/kWh. The cost of LSPV stations ranges from 0.45 to 0.75 RMB/kWh, lower than the BIPV system owing to the scale effect and the strong solar radiation.

How much will PV electricity cost in China by 2015?

According to our analysis, if electricity prices of the provinces remain unchanged, the cost of PV electricity could be reduced to 0.52–1.22 RMB/kWh by 2015, which is comparable with the grid prices in regions with large PV capacity and high electricity prices, such as Guangdong, Beijing, and Shanghai.

Why is solar energy important in China?

Solar energy is abundant, safe, clean, and renewable, and China has excellent geographical conditions to develop PV power, namely significant solar energy and large areas of barren land.

Will China build 47,000 MWp of PV power systems by 2020?

China plans to build 47,000 MWp of PV power systems by 2020 (see Fig. 1), with concentrated (LSPVs) and distributed (BIPV systems and PV systems in remote rural areas) capacities accounting for 43% and 57%, respectively.



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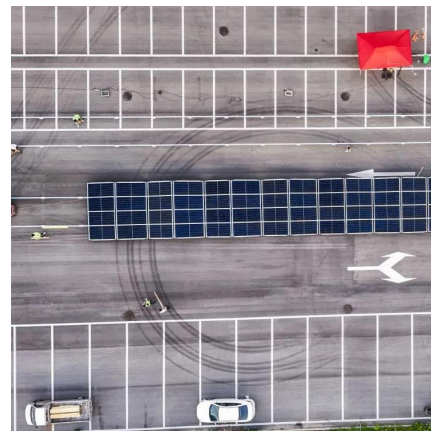
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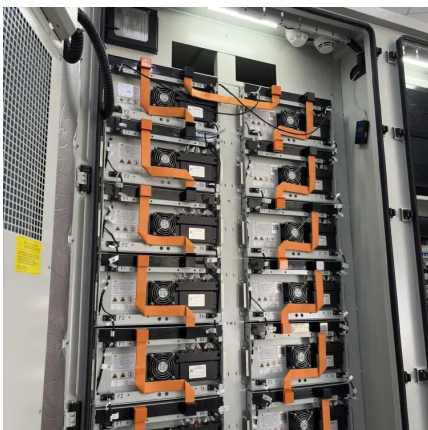
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