

Price of solar modules for grid parity





Overview

What is solar PV Grid parity?

Solar photovoltaics (PV) 'grid parity' has come into view since 2010. As currently conceived, grid parity is considered the tipping point of the cost effectiveness of solar PV technology, at which point it can be ensured that solar PV power generation is competing with conventional power supplies 1, 2, 3, 4, 5.

What is grid parity?

As we peer into the horizon of energy's future, the concept of grid parity stands as a pivotal benchmark in the evolution of power generation economics. Grid parity occurs when an alternative energy source can generate power at a levelized cost of energy (LCOE) that is less than or equal to the price of purchasing power from the electricity grid.

When will solar PV systems reach grid parity in China?

Finally, the PV systems in different regions in China are expected to achieve grid parity between 2020 and 2032. In other words, within the next decade, grid parity of solar PV systems in China is forecasted to be achieved.

When will PV supply-side grid parity be achieved?

While in the case of coal-fired power generation electricity prices (P_s) ranging from 0.224 CNY/kWh to 0.272 CNY/kWh, achieving PV supply-side grid parity in region I will be delayed until between 2030 and 2032 due to the lower electricity price.



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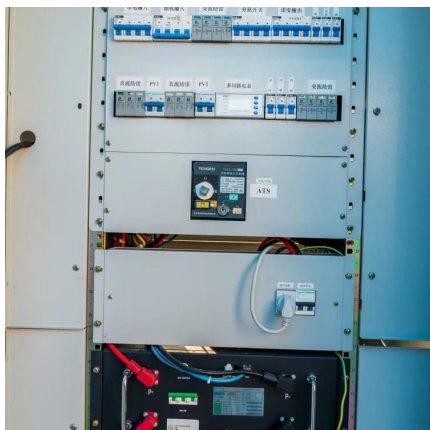
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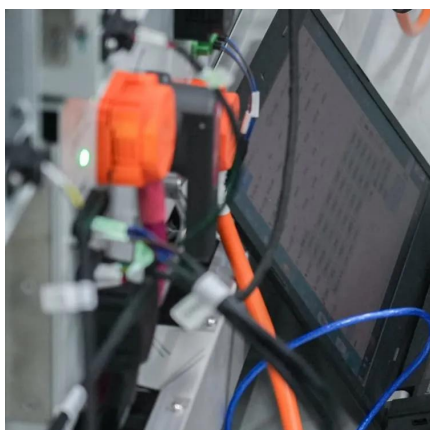


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