



# Grid-parity wind power generation



## Overview

This dataset contains yearly electricity generation, capacity, emissions, import and demand data for over 200 geographies. You can find more about Ember's methodology in this document. Grid parity (or socket parity) occurs when an alternative energy source can generate power at a levelized cost of electricity (LCOE) that is less than or equal to the price of power from the electricity grid. The term is most commonly used when discussing renewable energy sources, notably solar. On the basis of the requirements laid out in the "Notice of the NDRC and NEA on actively promoting the non-subsidized generation of wind and PV power (NDRC Energy No. 19" and the "Circular on matters relevant to the construction of wind and PV power generation projects in 2020 (NDRC New. Per capita figures are calculated by dividing total values by the population of the country or region. Measured in kilowatt-hours per person. Understanding the impacts and capabilities of the relatively new and uniquely positioned assets in grids with high integration levels of. The "13th Five-Year Plan" for wind power has proposed that it will reach grid parity and compete with power and hydropower.



## Article Content

Grid Integration of Offshore Wind Power: Standards, Control, ...

The paper discusses the wind turbine and wind power plant control strategies, and new control approaches, such as grid-forming control, are presented in detail.

Notice on 2020 grid-parity wind and PV power generation projects

The National Energy Administration will annually verify and publish a list of those grid-parity wind and PV power generation projects that have been connected to the grid within the ...

Grid parity

Grid parity (or socket parity) occurs when an alternative energy source can generate power at a levelized cost of electricity (LCOE) that is less than or equal to the price of power from the electricity grid. The term is most commonly used when discussing renewable energy sources, notably solar power and wind power. Grid parity depends upon whether figures are calculated from the point of view of a utility or of a retail co...

Grid integration feasibility and investment planning of offshore wind ...

Offshore wind power, with accelerated declining levelized costs, is emerging as a critical building-block to fully decarbonize the world's largest CO<sub>2</sub> emitter, China. However, system...

Electricity generation from wind power per person

Citations How to cite this page "Data Page: Electricity generation from wind power per person", part of the following publication: Hannah Ritchie, ...

Wind Has Reached Grid Parity, What's Next?

Wind-generated electricity has now reached grid parity. Investment Analyst Marcus Chu shares why he's excited about this development in ...

Policy analysis for grid parity of wind power generation in China ...

To solve these doubts, this study employs a system dynamics model to judge whether China can achieve grid parity for wind power. First, the factor indicator system is constructed from the aspects ...

Policy analysis for grid parity of wind power generation in China

What is the impact on the development of wind power? To solve these doubts, this study employs a system dynamics model to judge whether China can achieve grid parity for wind power.

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