



Jingda shares photovoltaic power generation wind power

What is the wind and PV power generation potential of China?

The wind and PV power generation potential of China is about 95.84 PWh, which is approximately 13 times the electricity demand of China in 2020. The rich areas of wind power generation are mainly distributed in the western, northern, and coastal provinces of China.

What is the growth rate of wind and photovoltaic power in China?

During the 12th Five Year Plan for Economic and Social Development of the People's Republic of China (12th Five-Year Plan) period, the combined annual power generation of wind and photovoltaic (PV) power in China accounted for less than 4%, annual growth of about 0.6% (Fig. 1). Fig. 1.

How China's Wind and solar power companies expand their presence in the world?

Strengthened competitiveness has helped China's wind and solar power companies expand their presence in the world market. China-made photovoltaic modules, wind turbines, gear boxes and other key components accounted for 70 percent of the global market share last year, according to NEA data.

What is the share of PV and wind in power supply?

The share of PV and wind in power supply increases from 12% to 59% during 2021-2060 at an annual rate of 1.8%, 1.4%, 1.0% and 0.7% in the 2020s, 2030s, 2040s and 2050s, respectively, which requires acceleration relative to an annual rate of 1% for China in the 2010s.

Are China's photovoltaic power companies developing a new technology?

"Chinese photovoltaic power companies are beefing up efforts to develop cells with different technologies that have more potential than conventional batteries in terms of conversion and cost efficiency," said Zeng Tao, chief analyst of power equipment and the new energy industry at the China International Capital Corporation.

Will China slow down the growth of PV & wind power?

There is also a chance that the growth of PV and wind power in China slows down owing to decreasing governmental subsidies²⁰, a lack of transmission infrastructure⁶ and restrictions for protecting agricultural, industrial and urban lands²¹.



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