

Tokyo Commercial Wind Power Generation System





Overview

Why is Japan focusing on wind power generation?

In recent years, Japan has come to focus on wind power generation because there are limited locations for solar panels, causing Japan to take unique measures such as offshore wind construction. Despite the recent efforts, Japan still falls below other developed nations in terms of wind power introduction.

How many wind turbines are there in Japan?

Most of the wind power introduced in Japan is onshore wind. The total number of wind turbines is 2,622, which will increase by 72 in 2022. The single-year introduction amount in 2022 was 110% compared to 2021. One of the topics was the start of operation of Japan's first large-scale commercial offshore wind farm.

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How much wind power does Japan produce?

Total wind power capacity is 4,80 MW. Wind power capacity in Japan increased by 230 MW in 2022. Japan produces 8.83 TWh from wind energy, which accounts for 1.01% of the country's electricity consumption. The Japanese government has established the "GI Fund" at NEDO.



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Japan

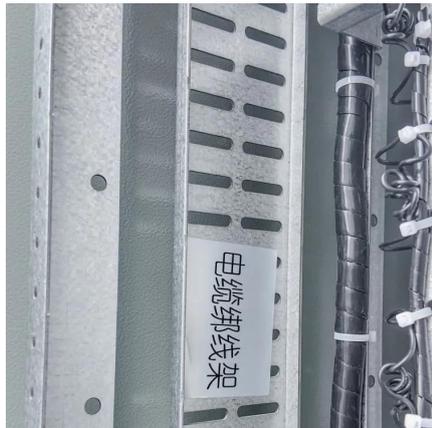
This is because full-scale commercial wind farms in Japan have started operating (Figure 2). Commercial offshore WF operations are scheduled to begin in the future. In 2022, the total ...





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