

SolarTech Power Solutions

Belgium supporting wind power supply

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Deye Digital & Smart Energy Management Platform



Cycle Life \geq **6000**

The image features a tall, white metal rack on the left, filled with energy storage units. To the right, a Deye Digital & Smart Energy Management Platform is shown, which includes a small LCD screen, several buttons (ON, OFF, Stop, Set), and ports (USB, RS485). The background of the right side is a blue graphic with a grid pattern, overlaid on a photograph of a solar panel array on a roof. The bottom of the image shows a landscape with a field of solar panels in the foreground, a small building, and snow-capped mountains in the distance.

Overview

On 13 September 2024, the European Commission approved a €682 million State aid scheme by Belgium to support the construction and operation of a 700 MW offshore wind farm in the Princess Elisabeth Zone of the North Sea. Can offshore wind energy be used in Belgium?

Other forms of offshore renewable energy are being studied but are still at an experimental or demonstration stage. Since 2020, a total capacity of 2261 MW of offshore wind energy is operational in the Belgian part of the North Sea. The federal government decided to increase the capacity of offshore wind energy in 2021.

How will Belgium boost Wind Energy?

Belgium will boost wind power energy by building the world's first offshore energy island, enhancing grid links and supporting Europe's clean energy transition.

How many MW of wind power will be installed in Belgium?

By the end 2020, the total land-based installed capacity in Belgium has reached 3,000 MW, and an additional 2,292 MW are planned offshore for a possible total of 5,292 MW of wind power. A green energy certificate market is implemented to support onshore renewable energy production with Tradable Green Certificates (TGC).

Will EU aid support a wind farm in the North Sea?

The aid will support the construction and operation of an offshore wind farm in the North Sea. Credit: Planet One Images via Getty Images. The European Commission has announced the approval of €682m (\$756.54m) in state aid to support Belgium's renewable offshore wind energy development.

Will Belgium increase its offshore wind power by 2050?

Together with the existing offshore wind farms, the total offshore wind

capacity in Belgium could be increased to 5.8 GW by 2030, nearly tripling its current offshore capacity. This is line with the EU's objective of supplying half of Europe's electricity with wind energy by 2050. 10.

How to maximize Belgium's own renewable electricity production?

To maximize Belgium's own renewable electricity production, the federal government decided to increase the capacity of offshore wind installations in the second offshore wind zone, the Princess Elisabeth Zone, to a range between 3,15 and 3,5 GW.

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Contact Us

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