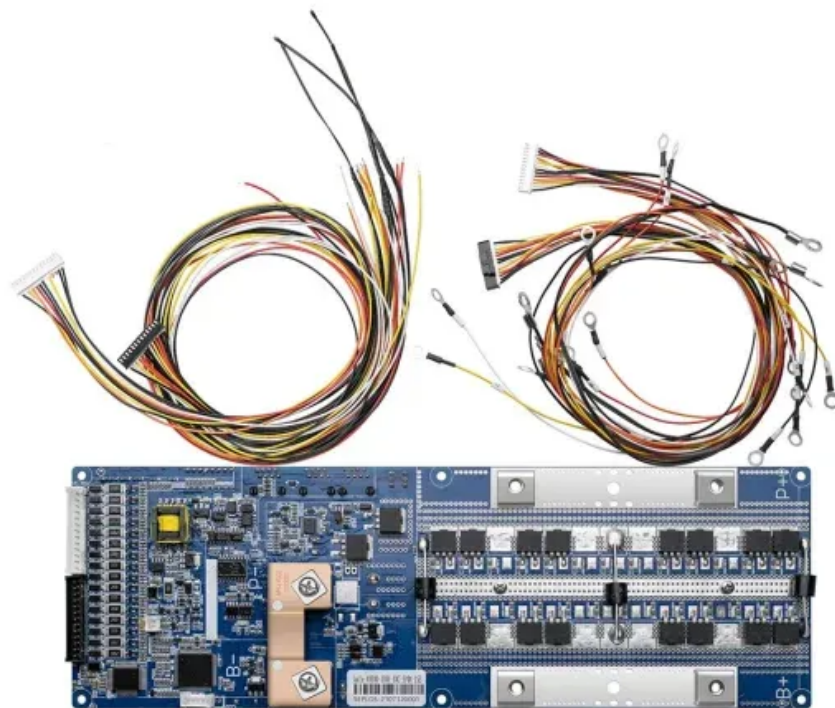


# International status of wind turbines



## Overview

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With 117 GW of new installations worldwide 2024 marked another record year for wind energy. • China installs 87 Gigawatt, 72% of new global capacity • Brazil becomes second largest market and joins top 5 wind power nations The full report as of 23 April 2025 can be downloaded here as PDF file Bonn (WWEA) - In 2024, new wind turbine installations fell far short of expectations, reaching. Wind and solar are the predominant sources of power generation in the Net Zero Emissions by 2050 Scenario, but annual wind capacity additions until 2030 need to increase significantly to be on track with the Net Zero pathway. Where do we need to go?

Reaching the levels of annual wind electricity. The Global Wind Power Tracker (GWPT) is a worldwide dataset of utility-scale, on and offshore wind facilities. It includes wind farm phases with capacities of 10 megawatts (MW) or more. A wind project phase is generally defined as a group of one or more wind turbines that are installed under one. -based organisation that represents the entire wind sector. It was a year in which expansion in the power sector was in the impact of interest rate increases, renewables, with 20% of that growth inflation, supply chain pressures, investor coming from wind energy.

## International status of wind turbines

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### [Installed wind energy capacity](#)

Cumulative installed wind energy capacity including both onshore and offshore wind sources, measured in gigawatts (GW).

### [Wind Power by Country 2026](#)

Globally, countries added 59 gigawatts (GW) of wind power capacity in 2019, a record 113 GW in 2020, and 94 GW in 2021, bringing the world's total estimated capacity to an estimated 824.9 gigawatts (GW).



### **Global Wind Power Tracker**

The Global Wind Power Tracker (GWPT) is a worldwide dataset of utility-scale, on and offshore wind facilities. It includes wind farm phases with capacities of 10 megawatts (MW) or more.

### [GLOBAL WIND ENERGY COUNCIL](#)

68 GW of onshore wind and 97 GW of offshore wind (OFW) auctions are in the pipeline.<sup>14</sup> Table 1 shows a few commonly used competitive offtake mechanisms for wind energy.



### Global Statistics

The world's installed wind power capacity now meets well over 10% of global electricity demand - and much more than nuclear power. More than 30 countries now have a share of wind ...

### Global wind power market

Find up-to-date statistics and facts on the global wind power market.



### [GLOBAL WIND REPORT 2025: China accounts for 70% on new ...](#)

With 117 GW of new installations worldwide 2024 marked another record year for wind energy. Onshore wind with 109 GW connected to the grid accounted for about 83% of new installations, reaching a ...

### [GWEC | GLOBAL WIND MARKET DEVELOPMENT SUPPLY ...](#)

The market share of turbines with power rating greater than 5000 kW was 63 per cent in 2024, 7.3 per cent higher than 2023, primarily due to larger onshore turbines were installed in China and more ...



### [GWEC'S Global Wind Report 2025: Record Growth. Emerging ...](#)

The 2025 Global Wind Report shows global wind capacity reaching 1,136 GW, with 55 countries adding new turbines in 2024. China led new installations, followed by the USA, Germany, ...



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