



**GETON CONTAINERS**

# **Western European wind power storage**





## Overview

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What is the latest data for wind energy in Europe?

Here is the latest data for wind energy in Europe and our latest forecast for the rest of this decade. Europe installed 6.8 GW of new wind power capacity in the first half of 2025. 5.3 GW of this was in the EU-27. 89% of the new capacity was onshore.

How much wind power does Europe have?

Europe now has 291 GW of wind power capacity, with 254 GW onshore and 37 GW offshore. The EU-27 has 236 GW of wind power capacity. The EU is expected to build 22 GW of new wind farms annually from 2025 to 2030 which will take its cumulative installed capacity to 344 GW but has a target of 425 GW by 2030.

How big is Europe's energy storage capacity?

The latest edition of the European Market Monitor on Energy Storage by LCP Delta and The European Association for Storage of Energy (EASE), released today, highlights Europe's rapid expansion in energy storage capacity, which reached 89 gigawatts (GW) by the end of 2024.

Which countries install the most wind power in Europe?

5.3 GW was installed in the EU-27. Almost all of this was onshore (5.2 GW). New offshore wind installations in Europe were 741 MW. Germany installed the most new capacity in H1 2025 (2.2 GW), followed by Spain (889 MW), the UK (760 MW) and Türkiye (593 MW) came next, respectively.



## Western European wind power storage



### [Latest wind energy data for Europe](#)

Europe installed 6.8 GW of new wind power capacity in the first half of 2025. 5.3 GW of this was in the EU-27. 89% of the new capacity was onshore. Germany built the most ...

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Advancements in lithium-ion battery technology and the development of advanced storage systems have opened new possibilities for integrating wind power with storage ...

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### [The future of wind energy: Efficient energy ...](#)

Advancements in lithium-ion battery technology and the development of advanced storage systems have opened new possibilities for integrating wind power with storage solutions. This article highlights how ...



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This is unsurprising, because current European capacity factors are between 10%-20% for solar and 10%-30% for onshore wind [18]. In Fig. 3 a, we quantify this by plotting ...

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[Wind Energy in the European Union](#)

The aim of this report is to provide an overview of the current status, value chains and market position of wind energy technology. This includes utility-scale onshore and ...

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## Europe accelerates renewable energy growth: ...

The latest edition of the European Market Monitor on Energy Storage by LCP Delta and The European Association for Storage of Energy (EASE) highlights Europe's rapid expansion in energy storage capacity, ...

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## Latest wind energy data for Europe: Autumn 2025 - ...

This autumn update outlines the latest data for wind energy in Europe and our expectations for the rest of the decade. Europe now has 291 GW of wind power capacity, with ...

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## Wind energy in Europe Statistics 2024: 19% of total ...

Wind power continues to play a crucial role in Europe's energy landscape, with total installed capacity now reaching 285 GW. Of this, 248 GW comes from onshore wind and 37 ...

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## Latest wind energy data for Europe: Autumn ...

This autumn update outlines the latest data for wind energy in Europe and our expectations for the rest of the decade. Europe now has 291 GW of wind power capacity, with 254 GW onshore and 37 GW offshore. ...

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## **Europe accelerates renewable energy growth: 89 GW of energy storage**

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