



# Wind farm generator cost

How much does a wind farm cost?

The location of a wind farm can have a profound effect on cost. While a wind turbine in Europe or the United States can cost about \$1 million per MW, turbines installed in countries like Brazil can be as cheap as \$500,000 per MW. Once the turbines are erected, they must be wired to the electrical grid.

How much does a wind turbine cost?

**Dramatic Cost Range:** Wind turbine costs span from \$700 for small residential units to over \$20 million for offshore turbines, with total project costs varying from \$10,000 to \$4,000+ per kW installed depending on scale and location.

How much does an offshore wind turbine cost?

Large offshore turbines can cost tens of millions of dollars, with the most powerful 12 MW turbines reaching up to \$400 million for manufacturing and installation. Lastly, Statista reports that the global average installed cost for onshore wind power was approximately \$1,160 per kilowatt in 2023.

How much does a 15 kW wind turbine cost?

A larger 15 kW system can cost over \$100,000 and can produce about 36,000 kWh per year. The largest free-standing wind systems can produce up to 100 kW, and are usually used for commercial use. Turbines of this size can power a school or small building.

Future renewable energy costs: Offshore wind; 57 technology innovations that will have greater impact on reducing the cost of electricity from European offshore wind farms.

Header image credit: GE Vernova This article provides the numbers you need to understand how much does a wind turbine cost, do they actually pay for themselves over time, and is ...

As one of the most promising and rapidly scaling sources of renewable energy worldwide, wind power offers tremendous potential to cost-effectively reduce carbon emissions and ...

Wind power lacks the externalities that come with fossil fuels, like the costs associated with pollution, habitat destruction, CO2 emissions, and a decrease in public health. And unlike other ...

Have you been wondering "how much does a wind turbine cost"? Keep reading for everything you need to know about costs and maintenance!

These costs were calculated in 2025, they represent a snapshot of the industry ...

These costs were calculated in 2025, they represent a snapshot of the industry at the time and have not been adjusted since to account for industry developments, commodity pricing or geopolitical events. ...

The cost of a wind turbine depends largely on its size and capacity. Small turbines, under 100 kilowatts,



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typically cost around \$3,000 to \$8,000 per kilowatt

Discover the startup costs involved in launching a wind farm. Learn about equipment, site development, and financing strategies for success.

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Understanding how much do commercial wind turbines cost is critical for investors, regulators, and environmentalists alike. This cost analysis examines the numerous aspects ...

The wind energy sector is experiencing unprecedented growth in 2025, with global wind capacity expected to reach new heights. Whether you're a homeowner considering a residential wind ...

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