

Pakistan's wind power generation system



Overview

Pakistan's wind power capacity is approximately 1,845 MW as of 2025, generated from around 36 operational wind projects. The Gharo-Jhampir wind corridor in Sindh province is the heart of wind power generation, contributing over 70% of the country's wind energy capacity. Wind power is a form of renewable energy in Pakistan which makes up more than 6% of the total electricity production in the country. Pakistan's wind power capacity. According to National Electric Power Regulatory Authority's (NEPRA) 2022 yearly report, Pakistan's total installed power generation capacity is 43,775 MW, of which 59% of energy comes from thermal (fossil fuels), 25% from hydro, 7% from renewable (wind, solar and biomass), and 9% from nuclear. Wind power provides opportunity to reduce dependence on imported fossil fuel and at the same. Wind energy, derived from the kinetic energy of moving air masses, holds tremendous promise as a clean and sustainable energy source in Pakistan.

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Wind power in Pakistan

Wind power is a form of renewable energy in Pakistan which makes up more than 6% of the total electricity production in the country. As of 2018, wind power capacity in Pakistan was 1,287 MW. [1][2]

[A techno-economic analysis for power generation through wind energy...](#)

In this feasibility, WRA of Umerkot and Sujawal districts located in Sindh provinces of Pakistan has been analyzed by analyzing mean wind speeds, estimated Weibull parameters, power ...



[Wind Energy Potential in Pakistan: A Comprehensive Overview of ...](#)

In this article, we explore the most suitable sites for wind energy generation in Pakistan, the current status of wind power in the country, and the future potential of this renewable resource.



[Wind power projects to reshape Pakistan's energy landscape](#)

Pakistan has witnessed a promising shift towards sustainable clean energy in recent years, with its wind energy potential gaining significant traction under the China-Pakistan Economic ...



[WIND POWER \(RENEWABLE ENERGY\) IN PAKISTAN](#)

Pakistan's first 50 MW Wind Farm Project was started in Jhampir (Sindh) by Zurlo Enerji engineering a Turkish company and completed five wind turbines out of which one was uninstalled. Capacity of ...

[Pakistan Meteorological Department](#)

Wind and Solar energies are the possible clean and low cost renewable resources available in the country. The potential, for the use of alternative technologies, has never been fully explored in Pakistan.



[Types of Wind Energy in Pakistan Complete Guide 2025](#)

This blog will guide you through the different types of wind energy systems, explain their role in Pakistan, and help you understand which ones are relevant for households, businesses, and national projects.

[Pakistan Wind Energy Revolution: Status & Future ...](#)

Explore Pakistan's wind energy revolution, current projects, challenges, and future prospects for sustainable power generation.



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