

A large number of outdoor power sources open power plants



Overview

The largest fuel source is natural gas, accounting for just under 43% of all generation capacity. All EIA resources that discuss electricity capacity rely on data that power plant builders and operators report to EIA on the Form EIA-860 (annual) and Form EIA-860M (monthly) surveys. These data can answer important questions often asked of EIA, including: How much natural gas capacity is. This article lists the largest power stations in the world, the ten overall and the five of each type, in terms of installed electrical capacity. Renewable energy statistics 2025 provides datasets on power-generation capacity for 2015-2024, actual power generation for 2015-2023 and renewable energy. These data identify operable electric generating plants in the United States by energy source, as of November 2023. The attribute data for this point dataset come from the U. You can zoom and pan the map, adjust the scale of the dots, and uncheck some types of power plants to focus on.

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Spatial energy density of large-scale electricity generation from power

Our investigation covers a wide range of sources classified by rated power and compares different regions to establish typical spatial flows of energy and evaluate the corresponding scalability

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List of largest power stations

In renewables, as of 2025, the largest solar farm is Gonghe Talatan Solar Park, China (15,600 MW) and the largest wind farm is Gansu, China (7,965 MW).

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America's Electricity Generation Capacity, 2025 Update

Wind, nuclear, hydro, and solar together account for more than one-third of capacity. 468,582 MW of new generation capacity is under development in the United States, which is comparable to the total ...

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Shanghai greenlights pioneering offshore solar-wind hybrid project

Shanghai has approved the Fengxian 1# offshore photovoltaic project, the first commercial-scale solar-wind hybrid of its kind in China. The move marks a major step forward in the ...

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Power Plants

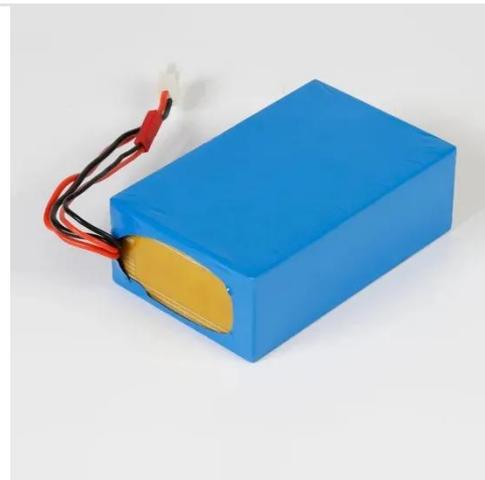
These data identify operable electric generating plants in the United States by energy source, as of November 2023.

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Renewable energy statistics 2025

Data on renewable power capacity represents the maximum net generating capacity of power plants and other installations that use renewable energy sources to produce electricity.

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EIA Resource Advisory (07/24/2025): Understanding electricity



Utility-scale: Utility-scale systems include power plants that have at least 1 megawatt of electricity generation capacity. EIA data on capacity are largely limited to utility-scale power plants.

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U.S. Power Plants

A typical American household uses electrical energy at an average rate of about 1000 watts, so a small 1-megawatt power plant can power about a thousand homes, while a large 1000-megawatt power ...



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United States

The United States has 15011 power plants totalling 1,290,366 MW and 1,086,894 km of power lines mapped on OpenStreetMap. If multiple sources are listed for a power plant, only the ...

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Power plant profile: Fengxian Offshore Wind Farm, China

According to GlobalData, who tracks and profiles over 170,000 power plants worldwide, the project is currently at the

partially active stage. It will be developed in multiple phases.

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