

SolarInvert Energy Solutions

The largest power station generates electricity



Overview

As of 2025, the largest power generating facility ever built is the Three Gorges Dam in China, completed in 2012. The facility generates power by utilizing 32 Francis turbines for a total capacity of 22,500 MW. [1] What is the largest power station in the world?

At all times since the early 20th century, the largest power station in the world has been a hydroelectric power plant. 1. 2. 3. 4. 5.

Which power plant produces the most electricity in a year?

The Itaipu Dam plant held the previous world record for most power generated in a year. It's on the border between Brazil and Paraguay, on the Paraná River. In 2021, it generated 66.369 billion kWh, but it set the world record in 2016 with 103.098 billion kWh. It's the world's second biggest power plant.

What is the largest power generating facility ever built?

As of 2025, the largest power generating facility ever built is the Three Gorges Dam in China, completed in 2012. The facility generates power by utilizing 32 Francis turbines for a total capacity of 22,500 MW. The eight largest power stations are also hydroelectric dams, beginning with Baihetan Dam, at 16,000 MW, also in China.

What are the different types of power stations?

There are multiple types of power stations, including both renewable power sources and non-renewable power sources. It includes everything from nuclear power to hydro, wind power, geothermal, oil or natural gas power plants, and any other type of power station.

What is the capacity of Guri Power Station?

The power station has a capacity of 10,235 Megawatts. The Guri is also sometimes called The Simón Bolívar Hydroelectric Plant and was previously named the Raúl Leoni Hydroelectric Plant. It has a height of around 162

meters and a length of 7,426 meters. 6. Wudongde Dam, China - 10,200 MW
The Wudongde Dam in China.

What metric is used to measure a power plant?

A power plant is designed to generate electricity. Therefore, the most important metric in measuring the size is its installed power generating capacity and annual power generation. Installed power capacity, sometimes called 'nameplate capacity', is the most amount of power a plant can produce.

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10 Largest Power Stations In The World



It can produce 22,500 Megawatts of energy, the most of any power plant on Earth. The dam spans the Yangtze River in central China, just downstream from the Three Gorges. ...

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The Biggest Power Plants In The World -

Everyone measures the size of power plants wrong, using Nameplate capacity instead of produced power. The world's biggest power ...



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Biggest power plants in the world

The biggest renewable energy plant is the Three Gorges Dam, which is also the world's biggest power plant generally. As it's a hydro plant, it ...

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List of power stations in Florida

Florida electricity generation by type
Florida power grid This is a list of electricity-generating power stations in Florida, sorted by type and name. In 2023, Florida had a total summer capacity of ...

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What Is The Biggest Generator? An Analysis of Megastructures

This article delves into the realm of the world's most massive power generators, exploring their significance, engineering feats, and impact on global energy landscapes.

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List of power stations in New Zealand

Graph of New Zealand electricity generation capacity by year This is a list of power stations in New Zealand. The list is not exhaustive - only power stations over 0.5 MW and significant ...

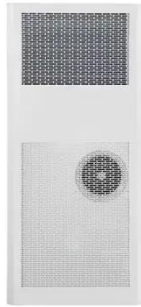
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List of largest power stations

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.

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Power & Utilities

The company employed 27,605 people in 2021. The US-based NextEra Energy Inc (NEE) is another leading power plant owner in North America (by capacity). NextEra Energy ...



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The Worlds Largest Power Plants

Three Gorges Dam (hydroelectric): Located in China, the Three Gorges Dam is the world's largest power plant by installed capacity, with a capacity of 22,500 MW. The dam, which was ...

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List of largest power stations

As of 2025, the largest power generating facility ever built is the Three Gorges Dam in China, completed in 2012. The facility generates power by utilizing 32 Francis turbines for a total ...

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ELECTRICITY: The Three Gorges Dam, World's ...

The Three Gorges Dam has been the world's largest power station in terms of installed capacity (22,500 MW) since 2012. The dam generates an average ...

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Biggest power plants in the world

The biggest renewable energy plant is the Three Gorges Dam, which is also the world's biggest power plant generally. As it's a hydro plant, it uses a renewable source: the ...

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The Incredible Science Behind How Power Plants Generate Electricity...

An easy-to-understand introduction to how power plants/stations make electricity and send it to your home

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List of largest power stations

As of 2025, the largest power generating facility ever built is the Three Gorges Dam in China, completed in 2012. The facility generates power by utilizing 32 ...

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The United States operates the world's largest nuclear power plant

After Georgia Power added one reactor in 2023 and another in 2024, Plant Vogtle became the largest U.S. nuclear power plant, with Units 3 and 4 each having a generating ...

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List of power stations in Michigan

This is a list of electricity-generating power stations in Michigan, sorted by type and name. In 2023, Michigan had a total summer capacity of 31,120 MW through all of its power plants, and ...

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Electricity in the U.S.

Biomass was the source of about 1% of total U.S. utility-scale electricity generation and accounted for 5% of the utility-scale electricity generation from renewable sources in ...

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Electricity Generation

Electricity makes our lives better, brighter, and cleaner. But before it is transmitted on high-voltage power lines and then distributed to our homes and ...

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The largest power plants in the world

Interesting fact: This is the first power plant in the world to generate 100 billion kWh per year. The hydroelectric power station's peculiarity is that it was built ...

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10 Largest Power Stations in the World by Megawatts

This helpful map shows the 20 of the largest power plants in the world. The largest being the Three Gorges Dam in China.

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List of largest power stations

21 rows· 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.

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ELECTRICITY: The Three Gorges Dam, World's Largest Power Station

The Three Gorges Dam has been the world's largest power station in terms of installed capacity (22,500 MW) since 2012. The dam generates an average

95±20 TWh of electricity per year, ...

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List of power stations in Malaysia

^ "Manjung Power Plant, Perak - One of the biggest power plants in Malaysia". ^ TNB Janamanjung Sdn Bhd ^ "Mukah Coal Power Plant". Global Energy Observatory. Retrieved 15 ...

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Grand Coulee Dam

The third powerhouse ("Nat"), completed in 1974 to increase energy production, makes Grand Coulee the largest power station in the United States by ...

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List of power stations in North Carolina

This is a list of electricity-generating power stations in the U.S. state of North Carolina, sorted by type and name. In 2023, North Carolina had a total summer

capacity of 35,864 MW through all ...

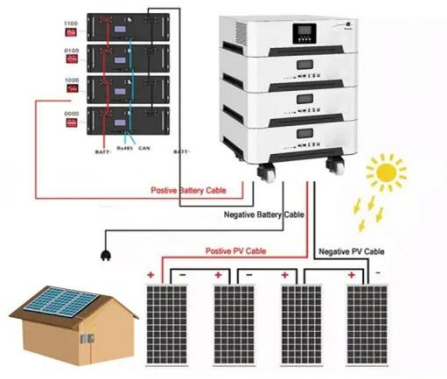
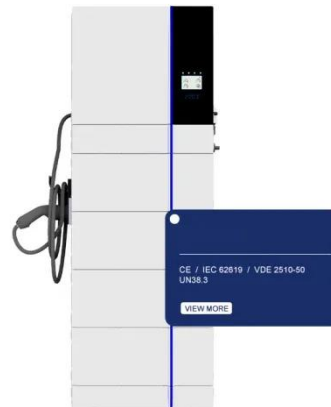
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The largest power plants in the world

Interesting fact: This is the first power plant in the world to generate 100 billion kWh per year. The hydroelectric power station's peculiarity is that it was built by two states--Brazil and ...

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10 Biggest Power Plants in the US , Plant Accident ...

Located across the country, power plants play a critical role in supplying electricity to all Americans. These industrial facilities generate electricity through various ...

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