


# What electricity does the Swiss power station use



## CONTAINER TYPE ENERGY STORAGE SYSTEM

Energy storage system

FC RoHS CE 



## Overview

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The electricity sector in Switzerland relies mainly on hydroelectricity, since the Alps cover almost two-thirds of the country's land mass, providing many large mountain lakes and artificial reservoirs suited for hydro power. How many power stations are there in Switzerland?

The following page lists power stations in Switzerland. For traction current see List of installations for 15 kV AC railway electrification in Germany, Austria and Switzerland. There are 556 hydroelectric power plants in Switzerland that have a capacity of at least 300 kW. Some of these are listed below:.

What is the electricity mix in Switzerland?

The Swiss electricity mix varies from year to year, depending on the availability of different forms of production. Basically, around 60 percent comes from hydropower, around 30 percent from nuclear power and around 10 percent from new renewable energies. PV has been increasing for several years, while growth in wind power remains modest.

Does Switzerland produce electricity?

Over the year as a whole, Switzerland usually produces enough electricity to cover domestic consumption and can therefore export electricity. However, electricity production is particularly high in the summer, whereas in the winter in most years Switzerland is dependent on imports.

What percentage of electricity is produced by hydropower in Switzerland?

Based on the estimated mean production level, hydropower still accounted for almost 90% of domestic electricity production at the beginning of the 1970s, but this figure fell to around 60% by 1985 following the commissioning of Switzerland's nuclear power plants, and is now around 59.5%.

How much power does Switzerland have?

In 2020, Switzerland's total installed capacity was 22.9 GW, surpassing the



peak load of 9.6 GW. Hydropower comprised 68% of this capacity, though its yearly production is limited by storage capacity and water availability.

Does Switzerland have nuclear power?

Nuclear power accounted for 36.4% of the nation's gross electricity generation of 68.3 TWh In addition, there are a number of research reactors in Switzerland, one of them at the EPFL. In 2011, the federal authorities decided to gradually phase out nuclear power in Switzerland as a consequence of the Fukushima accident in Japan.



## What electricity does the Swiss power station use

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### **Pumped hydro storage: the Swiss Army knife of the ...**

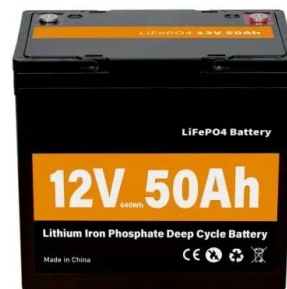
Pumped hydroelectric power stations offer the ability to store electrical energy easily, efficiently, and in large quantities. The technique is ...

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### **Switzerland's New Reserve Power Projects for Energy Security**

To reinforce Switzerland's electricity supply security, the Federal Council was informed on 14 May 2025 that the Federal Department of the Environment, Transport, Energy ...

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Amid concerns over the climate and energy crises, nuclear power appears to have become a credible alternative again. But it remains ...

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### The development of the Swiss energy supply since 1800

Due to the availability of cheaper electricity from large power plants, many of them were shut down. Today, there are 650 hydroelectric power plants in Switzerland and around ...

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### Switzerland reopens door for new nuclear power plants

Switzerland said Wednesday it was open to building new nuclear power stations in the long term, given new geopolitical uncertainties, climate targets and population growth ...

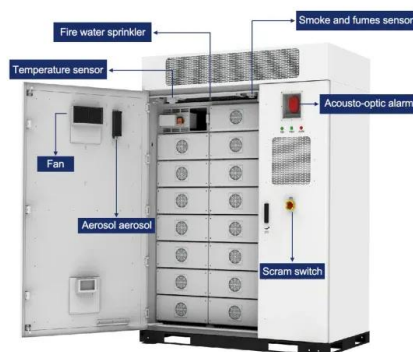
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### [Nuclear power plant shutdown This is how much ...](#)

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Nuclear facilities in Switzerland Switzerland has five nuclear power plants: Beznau I & II, Mühleberg, Gösgen and Leibstadt. In addition to the nuclear ...

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## **The dams of the Swiss Valais: energy giants with ...**

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## **Nuclear Energy in Switzerland**

Nuclear power is considered a low-carbon energy source. It is harnessed through the controlled release of energy via a nuclear fission process, where heat is ...

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## Strengthening Swiss hydropower with science , ETH ...

Researchers at ETH Zurich led by Robert Boes are developing specific solutions to optimise electricity production from Swiss hydropower ...

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## [List of power stations in Switzerland](#)

The following page lists power stations in Switzerland. For traction current see List of installations for 15 kV AC railway electrification in Germany, Austria and Switzerland.

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## [Electricity sector in Switzerland](#)

The facility is connected to both the gas and the electricity grid, and when both installed turbines are running, it feeds 740 megawatts into the Swiss electricity grid.

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## [Explainer: how the Swiss electricity market works](#)

Here we explain the background. How does the Swiss electricity market work? Since the 1990s, electricity suppliers and network operators ...

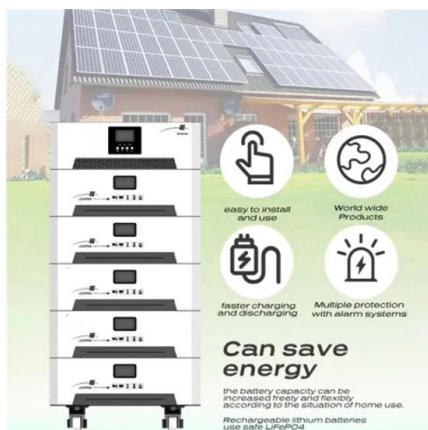
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## Switzerland

Electricity from hydropower was produced for the first time in Switzerland in the 19th century in St. Moritz. Since then, Switzerland has realised numerous pioneer achievements, for example the ...

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## **The dams of the Swiss Valais: energy giants with majestic ...**

With more than 600 power stations producing at least 300 kilowatts and more than 200 dams, 90% of which are used for energy production, 70% of Switzerland's electricity consumption ...

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## Hydropower

As the largest domestic source of renewable energy, hydropower is a cornerstone of Switzerland's electricity supply. With Energy Strategy 2050 it is to be supported and promoted with the aid of ...

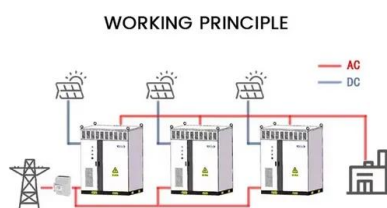
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[Could Switzerland build new nuclear power plants?](#)

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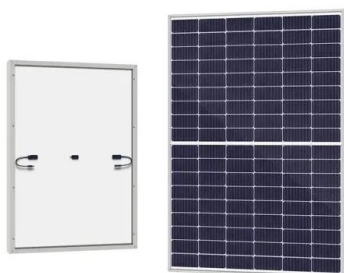
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