

### **SolarInvert Energy Solutions**

# The latest Swiss wind power and energy storage policy





#### **Overview**

What are Switzerland's new energy regulations?

Switzerland is expanding rules for rooftop solar, energy storage, and energy communities to expand self-consumption and ease pressure on the grid. The new regulations, set to take effect in 2026, introduce updated tariffs, encourage battery storage, and allow local electricity trading.

What is the Swiss Federal Act on a secure electricity supply?

The Swiss Federal Council has adopted a second set of ordinances to implement the Federal Act on a Secure Electricity Supply from Renewable Energy Sources. The new regulations, set to take effect on Jan. 1, 2026, cover energy communities and minimum remuneration.

How will new solar regulations affect Switzerland's electricity grid?

"The new regulations encourage the temporary storage of solar production peaks, which helps relieve the electricity grids," said Swissolar. Switzerland installed approximately 1.78 GW of new PV capacity in 2024, according to provisional figures from Swissolar.

Why does Switzerland need a secure electricity supply?

The demand for electricity in Switzerland has also grown, for example in industry, and also for electric vehicles and heat pumps. To ensure the security of the supply, Parliament has therefore passed the Federal Act on a Secure Electricity Supply from Renewable Energies. A referendum has been sought against this legislation.

What does the new energy bill mean for Switzerland?

The bill lays the foundations for a rapid expansion of Switzerland's energy production from renewable sources such as hydropower, solar, wind and biomass. This will lessen the country's dependence on energy imports and reduce the risk of critical supply situations.



What is Switzerland doing with pumped-storage hydropower?

The government is developing new pumped-storage hydropower facilities, which act as massive "batteries" by storing excess electricity for later use. Switzerland is rapidly scaling up solar energy, with new laws requiring solar panels on all new buildings.



### The latest Swiss wind power and energy storage policy



# Electricity and heat on demand , ETH Zurich

Sep 29, 2022 · To meet increased energy demand, Switzerland will primarily rely on hydro and photovoltaic energy sources and, to a lesser extent, wind power. ...

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### How AI could help Switzerland shift to renewables

Dec 2, 2021 · Solar panels and wind turbines are crucial in Switzerland's transition to greener energy - and so is artificial intelligence.







### Where power will come from in 2050, ETH ...

May 22, 2025 · By 2050, the aim is for Switzerland's energy system to be decarbonised and no longer reliant on nuclear power. How this can be ...

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## Foundations for the energy system of tomorrow ...

Dec 14, 2020 · On the road to a sustainable energy system, technologies for the flexible conversion and efficient storage of energy are becoming increasingly ...



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## Three strategies to boost green electricity in ...

Oct 1, 2024 · Climate neutrality and nuclear phase-out: Switzerland's ambitious green electricity targets are realistic if the electricity supply is profoundly and ...

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# Switzerland expands rules for rooftop solar, ...

Feb 24, 2025 · Switzerland is expanding rules for rooftop solar, energy storage, and energy communities to expand self-consumption and ease pressure on ...



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### Why wind energy is indispensable, Axpo

Dec 19, 2024 · Switzerland faces a critical challenge: with the gradual phase-





out of nuclear energy and increasing electrification, the demand for electricity is ...

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### Just over a week ago, 68.7% of Swiss voters said "yes" to ...

Just over a week ago, 68.7% of Swiss voters said & quot; yes& quot; to accelerating domestic #renewable electricity generation from #solar, #windpower and #hydropower. Today, we took ...



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### Switzerland, time for the netzero economy

Dec 17, 2023 · Switzerland stands at a crossroads. Last summer, Swiss citizens confirmed the nation's commitment to reaching net-zero emissions by 2050. Find out how Switzerland can ...

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# Stress tests for the Swiss power system, ETH ...

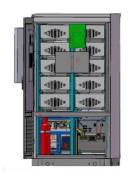
Jan 14, 2025 · Researchers from ETH



Zurich and ZHAW Winterthur are simulating in a new study how the future Swiss power system could be ...

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### THE SWISS ENERGY STRATEGY 2050

Nov 17, 2023 · Up to 2050, Swiss electricity supply will be sourced by hydropower and renewable energy, temporarily supplemented by electricity imports. Increase in total consumption ...

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# Interdisciplinary assessment of renewable, nuclear and fossil power

Nov 1, 2016 · Swiss electricity generation is based on hydro and nuclear power, but current energy policy includes the nuclear phase-out by about 2035. This may lead to higher CO 2 ...



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### Switzerland's Energy Transition Plan Key Strategies for 2050





2 days ago · Switzerland is rapidly scaling up solar energy, with new laws requiring solar panels on all new buildings. The country is increasing wind energy capacity, especially in regions with ...

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# More grid stability thanks to energy storage

Dec 5, 2024 · Switzerland is in the midst of the energy transition and has set itself the goal of becoming climate neutral by 2050. Yet at the same time, a secure supply of electricity must be ...



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### Swiss gravity battery contributes to China's ...

Apr 25, 2024 · How can excess electricity produced by the sun and wind be prevented from being lost? A gravity battery developed in Switzerland stores

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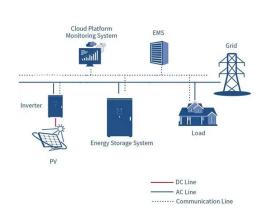
# Federal act on a secure electricity supply

The Federal Act on a Secure Electricity Supply from Renewable Energy Sources



was approved by Parliament in autumn 2023. The bill lays the foundations for a rapid expansion of ...

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#### **Report 2023 Switzerland**

Nov 29, 2024 · In 2022, the Swiss Federal Ofice of Energy updated the sustain-able potential of wind energy from 4 TWh to 30 TWh. In 2023, a new wind power plant was built at Ste-Croix

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### **Report 2023 Switzerland**

Nov 29, 2024 · The overall conclusion is that there is a large techno-economic potential for wind power in the Swiss energy system. Wind power can provide overall sys-tem benefits, like ...

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### Demand for home solar energy storage rising in Switzerland

May 15, 2025 · Trade body Swissolar has called for a national energy storage





strategy to support the rising popularity of home solar-plus-battery systems in the country.

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#### White Paper Wind energy in Switzerland: its role and ...

Apr 23, 2025 · Wind energy in Switzerland - opportunities and responsibilities s a vital contribution to the stability of our energy system. Countries such as France and Germany



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### **Energy Storage Power Stations** in Switzerland: Innovations, ...

Sep 26, 2023 · Why Switzerland's Energy Storage Power Stations Matter (and Who Cares) When you think of Switzerland, cheese, chocolate, and precision watches might come to mind. But ...

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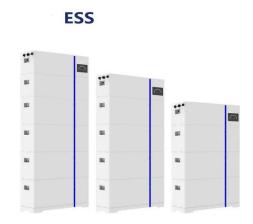
# Three strategies to boost green electricity in ...

Jan 10, 2024 · Switzerland's ambitious



green electricity targets are realistic. A study by the SWEET EDGE consortium shows that three distinct strategies ...

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# The Swiss energy transition: Policies to address the Energy

. . .

Jan 1, 2021 · We present a power market model that couples short-term electricity markets of five interconnected countries: Switzerland, Austria, Germany, Italy and France. The model ...

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### Federal Act on a Secure Electricity Supply from Renewable Energy ...

Jun 9, 2024 · The proposed legislation prepares the ground for Switzerland to rapidly produce more electricity from renewable energy sources such as water, sun, wind and biomass.



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## Storage and pumped-storage plants in Switzerland





Jun 26, 2012 · The facilitation of renewable energy technologies should also consider energy storage. Nicolas Crettanand looks at the potential for small storage and pumped-storage ...

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# This giant 'water battery' under the Alps could be a game

Aug 1, 2022 · Switzerland has unveiled its latest renewable energy innovation: a giant water battery. Beginning operations last month, the water battery, called Nant de Drance, is a ...



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## **Switzerland Expands Rules for Rooftop Solar, Storage, Energy**

Mar 1, 2025 · These new regulations, which will take effect on January 1, 2026, focus on energy communities and minimum remuneration. The aim of these measures is to encourage self ...

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#### Energy storage innovation in Switzerland: a ...



Aug 10, 2016 · For the first time, a pilot project called Alacaes is developing a new system that stores electricity in the form of compressed air in the Swiss Alps,

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### Seven reasons to build wind power plants in Switzerland

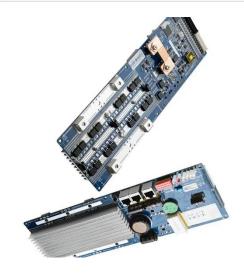
Feb 9, 2024 · The potential of wind power in Switzerland is theoretically nearly 30 terawatt-hours (TWh) per year according to the Swiss Federal Office of Energy (SFOE). If only 30 per cent of ...

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### Energy storage regulation in Switzerland , CMS Expert Guides

Apr 24, 2018 · Are you looking for information on energy storage regulation in Switzerland? This CMS Expert Guide provides you with everything you need to know.





### fenrg-2021-785908 1..17

Feb 1, 2022 · The volumetric energy storage density in a hydroelectric power





plant is 1.1 kWh·m-3, and a storage lake volume of 16.3 km3could store 18 TWh, two times the total ...

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### Embracing wind power in the solar PV-dominated Swiss ...

Jun 1, 2025 · In this study, we have conducted a data-driven analysis of the complementarity between solar PV and wind energy production in Switzerland over four years, to evaluate the ...



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### Rising Demand for Home Solar Storage in Switzerland

May 19, 2025 · In Switzerland, approximately half of all residential photovoltaic (PV) systems are now paired with battery energy storage systems (BESS), reflecting a growing trend toward ...

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