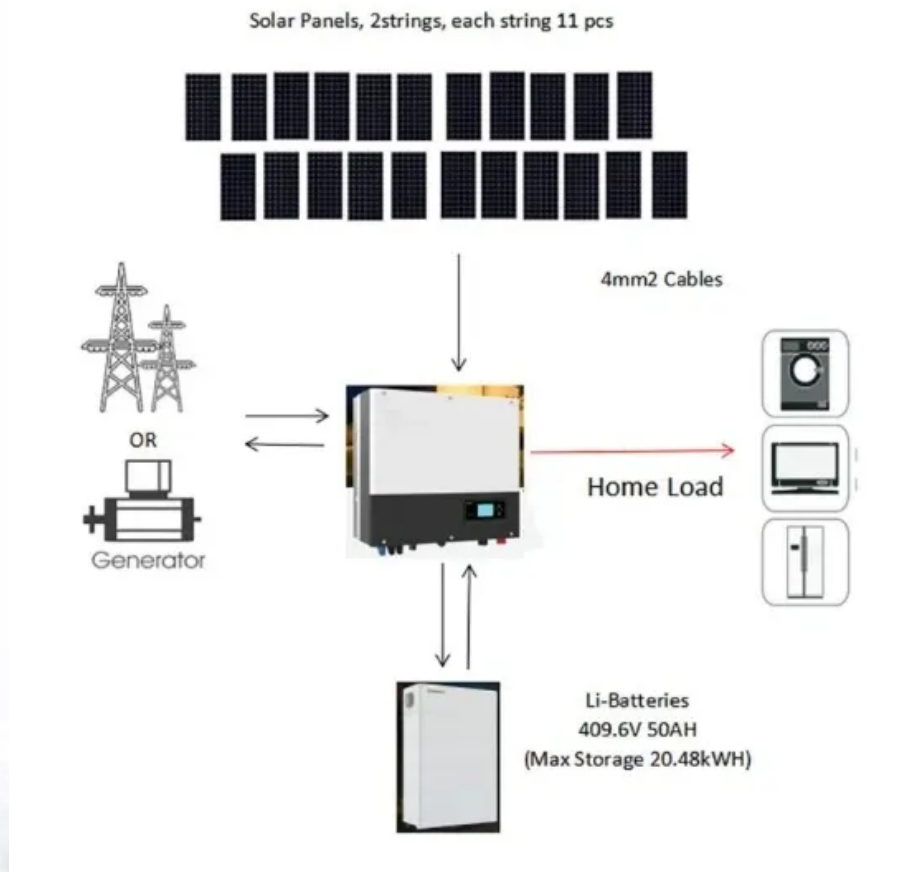


## SolarTech Power Solutions

# What energy storage systems are there in Swiss office buildings



## Overview

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How will a large-scale storage system help the Swiss power grid?

In this way, the system will help to stabilise the Swiss power grid. With this large-scale storage system, we are making a decisive contribution to the implementation of Switzerland's Energy Strategy 2050, which aims to convert 100 per cent of its energy supply to renewable energies by 2050.

Where in Switzerland will Primeo energy install a battery storage system?

In Kappel, in the canton of Solothurn, we will install one of the largest battery storage systems in Switzerland with a total capacity of 65 megawatt hours. Primeo Energie will use the stand-alone storage system to make energy more flexible and store electricity temporarily and withdraw it again when it is needed.

What are energy storage systems (ESS)?

Energy storage systems (ESS) using lithium-ion technologies enable on-site storage of electrical power for future sale or consumption and reduce or eliminate the need for fossil fuels.

How will Primeo energy help the Swiss power grid?

Primeo Energie will use the stand-alone storage system to make energy more flexible and store electricity temporarily and withdraw it again when it is needed. In this way, the system will help to stabilise the Swiss power grid.

What is energy storage?

Energy storage is a cornerstone of the sustainable energy future we envision. By integrating advanced storage solutions into buildings, we can enhance energy efficiency, increase the use of renewable energy, and create resilient energy systems.

What is thermal energy storage?

Thermal energy storage involves storing excess thermal energy for later use. This can be in the form of heated water, molten salts, or other heat-retentive materials. TES systems are particularly beneficial for district heating, storing heat generated from renewable sources or waste heat and supplying it to buildings as needed.

## What energy storage systems are there in Swiss office buildings

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### CHF 3M for Green-Y's compressed air energy storage solution

May 14, 2024 · Green-Y Energy has successfully closed a CHF 3M round to advance the market launch of its innovative compressed air energy storage system.

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### Integrated EV Charging for Swiss Buildings

Jun 11, 2025 · The partnership introduces an EV Charging-as-a-Service model for building owners, integrating on-site solar power and energy storage. This initiative allows owners of ...



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### 2021 Thermal Energy Storage Systems for Buildings ...

Sep 24, 2021 · Acknowledgments The execution of the Thermal Energy Storage Systems for Buildings Workshop was made possible thanks to tireless efforts of the organizing committee, ...

## Revolutionary electricity storage with heating/cooling system ...

Dec 14, 2021 · The patented compressed air concept combines electricity storage, heat and cold generation in one device and promises a significant reduction in energy costs and CO2 ...



## Using air and water to create a clean and efficient energy storage system

Oct 27, 2023 · A new system combines heat/cold generation and electricity storage with the help of compressed air tanks, making green electricity available around the clock. There is no doubt ...

## On thermal energy storage systems and applications in buildings

May 1, 2002 · This paper deals with the methods and applications of describing and assessing thermal energy storage (TES) systems in buildings. Various technical aspects and criteria for ...





## Energy Storage for Buildings: A Sustainable Future

Energy storage systems enable buildings to manage their energy consumption more dynamically, supporting grid stability and preventing blackouts. Additionally, energy storage enhances ...

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

2 days ago · Switzerland's universities and research institutions are at the forefront of clean energy innovation, developing new solar panel technologies, energy storage solutions, and AI ...



## Legal 500 Country Comparative Guides 2025

Jun 24, 2025 · In 2023, Swiss voters approved the Climate and Innovation Act, effective from 1 January 2025. Together with the revised CO2 Act and the Energy Act (EnA), this legislation ...

## Examining Energy Efficiency Practices in

## Office ...

May 21, 2024 · Energy accounts for a significant share of carbon emissions, and buildings play a substantial role in this by contributing to both direct and ...



## 8 Top Energy Storage Companies in Switzerland · August 2025

Aug 1, 2025 · Detailed info and reviews on 8 top Energy Storage companies and startups in Switzerland in 2025. Get the latest updates on their products, jobs, funding, investors, ...

## Switzerland: Renewable Energy - Country Comparative Guides

Jul 15, 2025 · Switzerland boasts a well-established renewable energy sector, with hydropower as its foundation. Hydropower - primarily from large-scale storage and run-of-river plants - ...



## IEA SOLAR HEATING AND COOLING PROGRAMME





## TASK ...

Jan 1, 2008 · The main goal of this "Task", part of the Solar Heating and Cooling Programme of the International Energy Agency (IEA), is therefore to investigate new or advanced solutions ...

## Private funding puts Switzerland's largest grid-stabilising

Nov 2, 2020 · Switzerland's largest battery storage system has gone into action stabilising the electricity network for transmission grid operator Swissgrid, asset operator Alpiq has said. ...



## Energy storage regulation in Switzerland , CMS Expert Guides

Apr 24, 2018 · The Swiss Federal Office of Energy ("SFOE") is the country's competence centre for all issues relating to energy supply and energy use at the DETEC. The SFOE creates the ...

## On-Site Energy Storage Decision Guide



Aug 19, 2025 · Recent advances in energy storage, particularly in batteries, have overcome previous size and economic barriers preventing wide-scale deployment in commercial ...

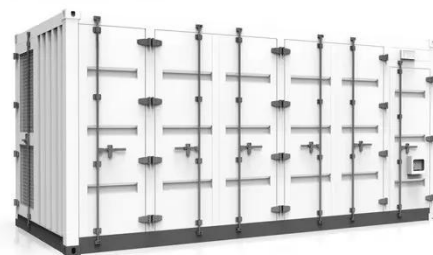


## office buildings: a case study in the Swiss context

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## The most sustainable office building in Switzerland and the ...

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