

**JH Solar**

# Swiss energy storage solution



## Overview

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When German testing lab HTW Berlin ranked 2025's best storage systems, Swiss-made solutions scooped top spots. RCT Power's 10kW system?

Five-peat champion in efficiency - like Roger Federer of energy storage [6]. Their secret?

A battery management system so precise, it makes Swiss watches look sloppy. 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.

Which energy storage projects have been commissioned in Switzerland?

Axpo commissioned its BESS in February this year while utility Thurplus commissioned a 3MW system in September last year. But Switzerland was the location for one of the largest energy storage projects commissioned in recent years, a 20GWh pumped hydro energy storage (PHES) unit which started operations in June 2022 in the Canton of Valais.

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.

Does Switzerland's new large-scale battery support the Energy Strategy 2050?

The new large-scale battery for Switzerland in Kappel supports the Energy Strategy 2050 and supports renewable energies.

How will Primeo energy contribute to the Swiss energy transition?

We are delighted to be taking a significant step in the Swiss energy transition together with Primeo Energie. 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.

Where is the gravity energy storage system based?

The research and development of the gravity energy storage system has been based in Ticino and operational since 2019 with its own R&D centre. The commercial demonstration unit has been connected to the Swiss national utility grid and used for two years of testing and software commissioning.

## Swiss energy storage solution

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### Commercial and Industrial ESS

Air Cooling / Liquid Cooling

- Budget Friendly Solution
- Renewable Energy Integration
- Modular Design for Flexible Expansion



## Swiss solutions for storing the energy of tomorrow

With its hydroelectric power plants in the Alps and innovative projects, Switzerland is contributing to the search for solutions for the efficient, long-term storage of ...

## Home , Delta Capacity

Delta Capacity is a Swiss-based developer of utility-scale battery energy storage systems (BESS). Our flexible energy solutions enable the transition to a fossil-free energy future and a greener, ...



## Swiss Energy Storage 2025: Powering the Future with Innovation ...

So there you have it - Switzerland's energy storage landscape in 2025 isn't just about electrons in boxes. It's a wild ride of innovation where precision engineering meets ...

## Luxra & Eco Delta Swiss engineering

Following comprehensive facility audits across the Middle East and Asia, Luxra's management and sales teams have secured partnerships with

world-class manufacturers to ...



## Top 7 Energy Storage Solutions for a Greener Future

From lithium-ion batteries to redox flow batteries, these innovative technologies store excess energy generated from renewable sources like solar and wind. Energy Storage ...

## Project Portfolio - Swiss Geo Energy

Geothermal energy can benefit from the solution in combination with seasonal heat storage solutions or other vectors such as green hydrogen. SGE is therefore positioning itself on two ...



## Swiss Energy Storage 2025: Powering the Future with Innovation ...

Switzerland's energy scene is like a precision watch - every component must work seamlessly. With 75% of its electricity already from renewables\*, the Swiss now face a ...

## Swiss energy storage container company

The Swiss battery storage technology company's engineering and product teams were motivated by the growing market demand for larger, higher-voltage and higher rated capacity battery ...



## About us

Swiss made battery energy storage At Modul, we take immense pride in our Swiss heritage, renowned for its precision engineering and innovative solutions. Our commitment to ...

## First commercial gravity-based energy storage tower begins

Energy Vault has begun commissioning a 25 MW / 100 MWh energy storage tower adjacent to a wind power facility outside of Shanghai.



### 12.8V 200Ah



## ALACAES

ALACAES is a privately held Swiss company that is developing an advanced adiabatic compressed air energy storage (AA-CAES) solution for large-scale electricity storage. ALACAES' patented technology uses caverns in ...

## Redux Energy Switzerland

Designed & Made in Switzerland At Redux Energy, we develop state-of-the-art energy storage solutions, based on the safest, most thermally stable type of lithium batteries: Lithium-Ferro (Iron)-Phosphate (LiFePO4). The core of ...



## Swiss battery startup BTRY gears up to remove ...

Zurich, February 12, 2025 - The Swiss battery startup BTRY today announced the launch of its seed fundraising to enable the development of market-ready products and the scaling of production. The ...

## Energy storage regulation in Switzerland , CMS Expert Guides

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



## ABB invests in renewable energy storage specialist HESStec

ABB's shares are listed on the SIX Swiss Exchange (ABBN) and Nasdaq Stockholm (ABB). HESStec provides innovative hardware solutions, software ...

## Energy storage provider INTILION taps into the ...

With its expertise from operating its own plants, it designs optimal overall solutions as an energy service provider, including energy storage solutions. "Battery storage is a key element in the implementation ...



## Energy Storage - Swiss Geo Energy

One of our areas of expertise is carbon capture and storage, a process which may be used in conjunction with closed loop geothermal systems for the purposes of renewable heat and ...

## swissenergy

We are active in the energy sector, offering qualitative and clean solutions in the area of commodity trading. The holding provides all services and products throughout the whole supply crude oil, gas and refined products ...



## Project Portfolio - Swiss Geo Energy

Geothermal energy can benefit from the solution in combination with seasonal heat storage solutions or other vectors such as green hydrogen. SGE is therefore positioning itself on two main areas of storage solution ...

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

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. ...



## The role of energy storage technologies in the context of the ...

Conclusions will be drawn with regards to the feasibility and value proposition of a deployment of energy storage technologies at scale, of their potential role in the future of the Swiss energy ...

## Swiss EV Company Revolutionizes Energy Storage with Gravity-Based Solutions

Why Gravity Energy Storage is Making Headlines in 2025 Let's face it - storing renewable energy has always been the awkward third wheel in the clean energy revolution. ...

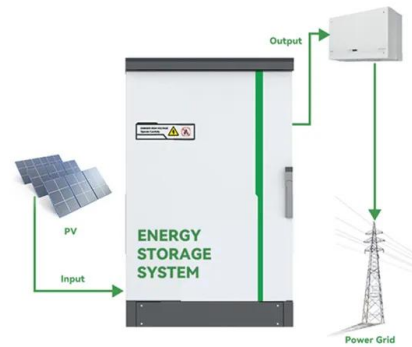


## [About Us - Swiss Vault](#)

About Swiss Vault Swiss Vault has the best-in-class solution for storage of large data. Industries including Genomics, Telecommunications, Seismic, Astronomy require an exceptional amount ...

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

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



## Energy Storage , Saft , Batteries to energize the world

For more than a decade, Saft has been providing complete storage solutions up to hundreds of MWs that integrate a Saft lithium-ion battery system with power-conversion devices as well as

...

## Giant gravity batteries for storage of renewable energies

For wind and solar power plants to reach their full potential, they need storage systems. A Swiss start-up is introducing a gravity-based battery solution. It is an extraordinary ...



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