

A-Core Container

Swiss Standard Energy Storage System



Overview

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 is the largest battery storage system in Switzerland?

In Kappel, in the canton of Solothurn, one of the largest battery storage systems in Switzerland is currently under construction, with a total capacity of 65 megawatt-hours. The successful delivery of all system components marks a key milestone on the path to commissioning. Primeo Energie will use our storage system to provide energy flexibility.

Does Switzerland support pumped storage operators?

Despite the government's objectives defined in the Energy Strategy 2050, there is currently no direct support via subsidy for pumped storage operators in Switzerland.

What is the future of electricity storage in Switzerland?

One important pillar of this strategy is the further development of electricity storage capacity in Switzerland. In the next years, three large-scale pumped hydro storage power plants will be connected to the grid. The first, the Limmern pumped storage plant (1 GW), should become operational in 2016.

What is the energy storage capacity in Germany?

The light blue field indicates the storage capacity in Germany in pumped hydro (40 GWh, 7 GW), which represents 95 % of total energy storage today [den10], and is totally inadequate for the quantity of energy which will need to be stored (area under the purple curve).

How many pumped hydro storage plants are there in Switzerland?

In the past, a total of 14, mostly small sized pumped hydro storage plants, were built, the last of which was commissioned in 1990. However, the combined capacity of these plants only amounts to 1380 MW contributing to approximately 4.4% of the total electricity produced in Switzerland.

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