



# Switzerland shuts down uninterruptible power supply **BESS**





## Overview

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Switzerland's Beznau nuclear power plant, the oldest in the country, has shut down both its reactors due to rising river temperatures, reported SRF. The plant, located in the canton of Aargau, relies on the nearby Aare river for cooling.

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A UPS (Uninterruptible Power Supply) is a system designed to provide instant power backup when the main power supply fails. Think of it as your safety net—the thing that kicks in immediately when everything else goes dark. UPS systems usually come with batteries that offer backup power for a few.

With BESS, clean energy becomes reliable energy. Let's be clear: BESS is not just backup power. It is an active player in a modern grid. Here's what it delivers: Frequency regulation: It responds in milliseconds to stabilize the grid when supply and demand go out of sync. Energy shifting: It stores.

Due to a scorching heatwave which has spread across Europe in recent days, a number of nuclear power plants in Switzerland and France have been forced to either reduce activity or shut down completely as extreme temperatures have prevented sites from relying on water from local rivers. To cool.

A Battery Energy Storage Systems (BESS) stores (typically) one to two hours of energy in batteries to help stabilize the grid, provide additional backup power and independence from the grid, reduce diesel generator needs, lower energy costs, and take better advantage of renewables. BESS take.

Vertiv™ DynaFlex BESS can bridge the necessary power requirements of a facility during emergencies and routine operations. With wind or solar battery storage, BESS can supply power during low-generation periods. Integrating with a grid-



interactive UPS, BESS enables peak shaving. This strategy. Why did Switzerland and France shut down nuclear power plants?

Power plant operators in Switzerland and France idled reactors so that discharged cooling water would not harm wildlife in already-hot rivers. The Beznau Nuclear Power Plant in Switzerland, one of two nuclear stations shut down in the past week. Fabrice Coffrini/Agence France-Presse — Getty Images.

Does Switzerland have a Bess system?

The BESS is part of a network of power plants, consumers and batteries, it added. The large-scale BESS market in Switzerland has been relatively quiet with renewable penetration on the country's grid still relatively low. Axpo commissioned its BESS in February this year while utility Thurplus commissioned a 3MW system in September last year.

Why have nuclear power plants been shut down in Europe?

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Should you use a ups or a battery energy storage system?

They're complementary. A UPS is designed to provide uninterrupted power to critical loads for five to fifteen minutes when power is lost. Schneider Electric White Paper 185, Understanding BESS: Battery Energy Storage Systems for Data Centers, provides a much more detailed description of BESS and their functions.



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### [How Battery Energy Storage Systems \(BESS\) ...](#)

While BESS appear the same as an uninterruptible power supply (UPS), they're not. They're complementary. A UPS is designed to ...

### [UPS and BESS Systems: Definitions, Applications, ...](#)

This white paper explores two important technologies in this domain: Uninterruptible Power Supply (UPS) systems and Battery Energy ...



### [France and Switzerland shut down nuclear power ...](#)

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### [UPS vs. BESS: Key Differences and When to Use Each System](#)

This comprehensive guide breaks down the key differences between uninterruptible power supplies (UPS) and battery energy storage



systems (BESS). We explain their functions, ...



### Switzerland: EWS and MW Storage expand battery unit to 28MW

Utility EWS AG and developer MW Storage have completed the expansion of a battery energy storage system (BESS) project in Switzerland from 20MW to 28MW, making it ...



### What is a battery energy storage system (BESS)?

With wind or solar battery storage, BESS can supply power during low-generation periods. Integrating with a grid-interactive UPS, ...



### How Battery Energy Storage Systems (BESS) power data centers

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## Power Outages: Is Battery Storage Key to

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Europe's transition requires more than short bursts of power and unquestionably in the Mediterranean countries. We need systems ...

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## UPS and BESS Systems: Definitions, Applications, and Key

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## **Power Outages: Is Battery Storage Key to Europe's Grid Stability?**

Europe's transition requires more than short bursts of power and unquestionably in the Mediterranean countries. We need systems that store energy for hours or even days.

## Extreme Heat Shuts Down Some Nuclear Reactors in Europe

The Beznau Nuclear Power Plant in Switzerland, built along the Aare River near the country's northern border, followed suit, shutting down one of its reactors on Tuesday and the ...



## **France and Switzerland shut down nuclear power plants amid ...**

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## [Extreme Heat Shuts Down Some Nuclear Reactors ...](#)

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## [POWER: Swiss Firm Starts Operations at 100MW BESS in ...](#)

Switzerland's BW ESS has started operations at a 100MW (331MWh) BESS in Hampshire, England, it said.

## [Switzerland: EWS and MW Storage expand battery ...](#)

Utility EWS AG and developer MW Storage have completed the expansion of a battery energy storage system (BESS) project in ...





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