



Will Swiss clean battery build a Gigafactory to produce sustainable solid-state batteries?

A Swiss startup, Swiss Clean Battery (SCB) AG, plans to build a gigafactory to produce sustainable solid-state batteries.

What is Swiss clean battery?

Swiss Clean Battery is set to start commercial production of its pure solid state batteries in Switzerland. The batteries are based on a protected electrolyte made of a solid ion conductor, which helps to maintain internal resistance and capacity. The fixed ion conductor is formed in the battery cell itself, similar to a multi-component adhesive.

What is the Swiss battery technology center?

At the Swiss Battery Technology Center, we research the sustainability of electrification, operate Switzerland's largest battery test laboratory with Bern University of Applied Sciences BFH, and show how batteries can be taken apart and materials reused. We are committed to a high recycling rate of the entire battery.

Can portable batteries be recycled in Switzerland?

Portable batteries in Switzerland can be recycled free of charge for consumers. They have been recycled in Switzerland since the early 1990s. The recycling plant recovers iron, manganese, zinc, and mercury from the batteries and converts the pollutant substances that arise in the process into a non-damaging form.

Why should a company join the Swiss battery technology center?

Companies interested in creating better products for customers and the world will find a vital partner in the Swiss Battery Technology Center. The Center provides support throughout the product lifecycle and views itself as a long-term partner for the future evolution of the developed product.

Are solid-state batteries better than conventional lithium-ion batteries?

FRAUENFELD, Switzerland, April 6, 2022 /PRNewswire/-- The solid-state battery from Swiss Clean Battery AG is extremely durable, non-combustible and at least 50% better in terms of environmental performance than conventional lithium-ion batteries. Solid-state batteries are regarded as the successor technology to

# SWITZERLAND DOMESTIC BATTERIES



conventional lithium-ion batteries.



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Swiss startup Swiss Clean Battery (SCB) AG said this week that it will build a gigafactory to produce pure solid-state batteries at its headquarters in Teufen, Switzerland. "With production scaling from 1.2 GWh to 7.6 GWh, SCB AG will serve both the Swiss domestic and international markets with sustainable battery storage from 2024," the



Swiss Clean Battery ??? World's first gigafactory for pure solid-state batteries established in Switzerland. The solid-state battery from Swiss Clean Battery AG is extremely durable, non-combustible and at least 50% better in terms of environmental performance than conventional lithium-ion batteries.

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120 million batteries are purchased every year to power various devices and appliances in Switzerland. 70 % of these batteries are recycled, however, too many are still being disposed of in household waste. Valuable metals are lost as a result. By law, used batteries must be returned to retail outlets or taken to collection points.



This in-depth guide covers top brands, costs, sizing, subsidies, installation, operation and economics of solar batteries for Swiss homes and businesses. Learn how batteries increase solar self-consumption and discuss the limits to achieving full energy independence.



Swiss startup Swiss Clean Battery (SCB) AG said this week it plans to build a gigafactory to produce sustainable solid-state batteries in Switzerland in 2024, with an initial production of 1.2GWh that subsequently scales to 7.6 GWh.

# SWITZERLAND DOMESTIC BATTERIES



The first Gigafactory for pure solid-state batteries has been established in Switzerland. Production will be carried out by battery research start-up Swiss Clean Battery (SCB) AG. Solid-state batteries are reported to be extremely durable and at least 50% better, regarding environmental performance, than conventional lithium-ion batteries.



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