

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.

Who is Swiss battery?

Our company SwissBattery.com develops battery products and materials for the electric automotive & airspace market. Our target is top benchmarking. We focused at an early stage of the product development on energy use and cost. Our products are resilient in increasingly regulated and clean emerging markets.

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.

What is a lithium battery protection board?

Our Lithium Battery Protection Board is a cutting-edge solution designed to maximize the safety and performance of lithium batteries. Lithium batteries are known for their high energy density, making them ideal for numerous applications.

What is a battery protection board?

Hardware-type protection board: Use special lithium battery protection chip, when the battery voltage reaches the upper limit or lower limit, the control switch device MOS tube cut off the charging circuit or discharging circuit, to achieve the purpose of protecting the battery pack. Characteristics: 1.

What is Swiss battery used for?

The technology of Swiss Battery is suitable for a high-energy /high-power applications which can boost the range of electric airplanes. Electric aircraft are all sizes, from electric passenger airplane to all sizes of unmanned aerial vehicles (UAV) used for agricultural applications and defense.

Im Swiss Battery Technology Center forschen wir f&#252;r die Nachhaltigkeit der Elektrifizierung, betreiben gemeinsam mit der Berner Fachhochschule BFH das schweizweit gr&#246;sste Batterietestlabor, zeigen wie Batterien ...

Swiss Battery's rechargeable patent-pending swiss batteries employing a cathode-material and chemical-substitution strategy, avoiding the use of toxic heavy-metals. The high performing swiss batteries are

made from abundant sources, which can overcome the issue of i) raw material shortage and ii) high risk international dependencies.

The SBTC develops solutions for the demanufacturing of battery packs and supports the planning of digital solutions to monitor the entire recycling process. Electrical and mechanical battery system design with integration of thermal management for high and low voltage battery systems.

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H55 runs automated, dual-production lines to manufacture battery packs for certified ...

Dangerous goods are items or substances that can pose a risk to health, safety, property or the environment. In addition to the dangerous goods listed below, some other dangerous goods are forbidden for transport for security reasons.. That's why it is important that you inform yourself thoroughly before departure and pack correctly.

With an experienced team of designers and engineers from Germany and Asia, Exista designs and develops complete battery power solutions according to customer requirements. The need for mobile power supply is growing steadily with the increasing mobility of our society.

H55 runs automated, dual-production lines to manufacture battery packs for certified technology in Sion, Switzerland, and soon in Longueuil, Quebec, Canada. H55's supply chain strategy includes diverse and trusted sources to mitigate supply chain and geopolitical risks.

You can customize the protection requirements of various additional functions for your lithium battery, such as communication function, SOC calculation, SOH estimation, warning function, recording function, display function, etc. Tritex can provide your battery with a professional protection board and BMS.

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In order to protect the life of the lithium-ion battery pack, it is recommended that the battery charge voltage not exceed 3.6V at any time, that is, the protection voltage of the lithium-ion battery protection board is not higher than 3.6V, the equilibrium voltage is recommended to be 3.4V-3.5V, and the battery discharge protection voltage is generally 2.5V ...

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When the lithium battery pack is charged, the positive and negative poles of the external power supply are connected to the positive and negative poles of the battery pack BAT+ and BAT- respectively, and the charging current flows through the positive electrode BAT+ of the battery pack, the single-cell lithium battery 1~N in the battery pack, and the discharge control ...

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Understanding Lithium Battery Protection Boards. Lithium battery protection boards play a crucial role in ensuring the safe and reliable operation of lithium batteries. These boards serve as a protective barrier against a range of ...

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