

What is Bollor's doing with battery-swapping technology?

Bollor's group is also exploring battery-swapping technologies for 24-hour operations, particularly in industries like container trucking. "Swapping batteries is easy with our batteries as they don't have cooling system, making the swapping operation very simple, such as plug & play", Bouveret adds. What about market strategies?

How long does it take to charge a Bollor's battery?

Looking ahead, Bollor's is working on the next generation of batteries. "Today our batteries can be charged in 4 to 5 hours. But we are working on a next generation of batteries that can be charged in 20 minutes and will increase energy density by 50 percent. Today our 12-meter buses have 380 km range on one charge.

What is a solid-state battery?

In the global race for innovation, the "solid-state" battery is recognized as one of the most promising future paths. The main characteristic of these batteries is its solid electrolyte, as opposed to conventional lithium-ion batteries where the electrolyte is liquid.

Is blue solutions a solid-state battery manufacturer?

Blue Solutions remains the only European producer of solid-state batteries. In Hannover Bluebus showed both models in its portfolio: the 6-meter and 12-meter battery electric bus. "The difference between our solid-state batteries and lithium-ion batteries is in the electrolyte: in every battery we use, it's liquid.

What's new at Bollor's?

Bollor's Group: new battery range is coming (and a 18-meter e-bus model is not excluded). Our interview Works are underway at Bollor's for the introduction of a new generation of solid-state batteries with a 20-minute charging time and 50% higher energy density.

What is the difference between solid-state batteries and lithium-ion batteries?

In Hannover Bluebus showed both models in its portfolio: the 6-meter and 12-meter battery electric bus. "The difference between our solid-state batteries and lithium-ion batteries is in the electrolyte: in every battery we use, it's liquid. In our case we are the only producing solid-state batteries, where the electrolyte is solid.

NEW YORK, Oct. 30, 2024 /PRNewswire/ -- Report on how AI is redefining market landscape -The global lithium solid-state battery market size is estimated to grow by USD 0.39 million from 2024-2028 ...

Solid-State Battery Summit 2023; IAA Mobility 2023; Rho Motion Live Europe 2023; Battery Show North America 2023; Fastmarkets European Battery Conference 2023; Batteries Event Lyon 2023; Battery Research Symposium - Hydro Qu&#233;bec; Li-ion Battery Europe 2023- Budapest, Hungary; Battery Innovation Days 2023- Bordeaux, France

development of 100%-French solid-state battery systems that will be available on the market from 2026. On the other hand, Bluebus and Forsee Power partner to integrate the latest lithium-ion battery systems to expand the range of 6-meter and 12-meter buses, and thus meet all the expectations of the European, Middle Eastern and African markets.

UNIQUE ALL-SOLID-STATE BATTERY. Over more than twenty years of R& D and based on its expertise in paper and ultra-thin plastic films, BlueSolutions has developed batteries and energy storage solutions based on a unique advanced technology: ...

SCALABLE ALL-SOLID-STATE ARCHITECTURE Characteristics: Blue LMP#174; 250 and Blue LMP#174; 400 Blue LMP#174; 250 Floor area: 17.5 m#178; Total MWh: 2 MWh Blue LMP#174; 400 Floor area: 19.4 m#178; Total MWh: 3.1 MWh Electrical specifications 250 400 Cells LMP#174; (Blue Solutions) Energy (@ C/4 - D/2) 252 kWh 392 kWh Battery round trip efficiency (DC-DC) Up to 98%

The solid-state battery manufacturer, which is part of the French Bollor#233; Group, has a wealth of experience in the field of solid-state batteries. The French company's research in this field dates back to the 1980s. Blue Solutions is currently the world's only manufacturer of commercialized solid-state cells, modules and packs and has ...

The Bollor#233; Bluecar is a small four-seat, three-door electric car supplied by Bollor#233;, designed by Pininfarina and manufactured by Cecom in Bairo, Italy, under a joint venture owned by Bollor#233; and Pininfarina called V#233;hicule #201;lectriques Pininfarina Bollor#233; (VEPB).The car has a 30kWh lithium metal polymer (LMP) battery, coupled to a supercapacitor, that provides an electric ...

"Our all-solid-state battery is designed to operate at 80#176;C. As it charges and discharges, it cycles over and under this temperature. This is part of the chemistry at work. All this without ...

Works are underway at Bollor#233; for the introduction of a new generation of solid-state batteries with a 20-minute charging time and 50% higher energy density. Additionally, Bluebus might be eyeing future expansion of its ...

In the global race for innovation, the "solid-state" battery is recognized as one of the most promising future paths. The main characteristic of these batteries is its solid electrolyte, as opposed to conventional lithium-ion batteries where the electrolyte is liquid. Blue Solutions is the only player in the world to have designed and ...

"The close collaboration with SIPBB's Swiss Battery Technology Center will enable Blue Solutions to strengthen the three pillars of its DNA - Safe, Clean and Smart solutions. This is possible through the joint development of accelerated aging tests for all-solid-state battery cells, the automatic disassembly of battery packs and modules

The maximum speed is 130 km/h (81 mph) and the battery weighs 300 kg (660 lb). The batteries are made in Bollor's owned facilities in two locations, one in Brittany, France and the other in Montreal, Quebec, Canada. Bollor's is unique in integrating ...

French company Blue Solutions plans to build a gigafactory in eastern France costing about 2 billion euros (\$2.17 billion) to produce a new solid-state battery it has produced that has a 20-minute ...

Blue Solutions, a precursor and manufacturer of solid-state electric batteries using the lithium metal and polymer technology, and entity of the Bollor's Group, has signed a scientific ...

The all-solid-state battery sector is the technology that will be the performance benchmark. It will make possible the mass production of clean electric transport. Blue Solutions' technology is based on decades of expertise that has made it a market leader, providing all-solid-state batteries for bus, off-highway and heavy goods vehicle ...

A solid-state technology with no risk of thermal runaway for a battery with constant capacity throughout its lifespan, free from rare earth metals and cobalt. Independent electro-technical box The rack's safety and balancing systems, ...

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