



Bolloré solid state battery

When did Bolloré start using solid-state batteries?

Bolloré began its research into solid-state batteries in 1980. Bouveret says that some Blue Solutions batteries have been in use since 2011. The Blue Solutions batteries currently found in transit buses are the company's third-generation model. (The company is targeting 2028 for production of its fourth-generation battery.)

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 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.

Are blue solutions solid-state batteries cheaper than nickel-manganese-cobalt batteries?

Blue Solutions' solid-state batteries are lithium-metal-polymer (LMP) batteries. Bouveret cites a 30 per cent cheaper manufacturing cost to making LMP batteries compared to nickel-manganese-cobalt (NMC) batteries.

How long does it take to charge a Bolloré battery?

Looking ahead, Bolloré 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's new at Bolloré?

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

[September 28, 2023, Paris, France / Taipei, Taiwan] Blue Solutions has signed a memorandum of understanding with Hon Hai Technology Group (Foxconn) and its subsidiary, SolidEdge Solution Inc., to jointly develop ...

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 ...

The battery of the future, Made-in-France The solid-state battery is recognized as one of the most promising



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approaches. Blue Solutions has been the only company in the world to produce ...

They are the only manufacturer of solid-state batteries for electric vehicles on an industrial scale - and yet they are hardly in the spotlight: French Bollor's subsidiary Blue ...

The solid-state battery is recognized as one of the most promising avenues towards improved safety and high performance. Blue Solutions is the only company in the world to manufacture ...

Blue Solutions designs and manufactures innovative lithium-metal solid-state batteries, offering performance, safety, and sustainability for electric mobility and energy storage.

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. Additionally, Bluebus might be eyeing future expansion of its ...

The Blue Solutions plant just outside Montreal is one of two manufacturing facilities operated by the company that produce a slightly mystical technology in the electric vehicle world: solid-state batteries. France-based ...

Blue Solutions, an entity of the Bollor's Group, is a designer and manufacturer of solid-state lithium-metal cells, modules and packs, based in Ergu-Gabric (Finistère, France) and Boucherville (Québec, Canada).

Solid-State Battery Players - Worldwide 2021/2022 Blue Solutions is well positioned to capture growth as the only commercial player in SSB market. In a realistic scenario, Blue Solutions" ...

Blue Solutions is a Bollor's Group entity and global industrial-scale designer and manufacturer of solid-state batteries, which have been marketed since 2011. The company has signed a ...

Photo: Blue Solutions The Blue Solutions plant just outside Montreal is one of two manufacturing facilities operated by the company that produce a slightly mystical ...

With over 30 years of pioneering research, Blue Solutions is at the forefront of sustainable energy, driving innovation in solid-state battery technologies. Discover our unwavering commitment to sustainability, safety, and excellence ...

The design of the LMP's technology developed by Blue Solutions is a world first: an entirely solid-state cell without any liquid components, no nickel or cobalt, and a lithium metal electrode - the ...

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Bollor SE's Blue Solutions unit is spearheading the project as part of its work on developing solid-state lithium metal polymer batteries.

They are the only manufacturer of solid-state batteries for electric vehicles on an industrial scale - and yet they are hardly in the spotlight: French Bollor's subsidiary Blue Solutions developed and commercialised batteries with ...

As a subsidiary of the Bollor's Group, Blue Solutions has dedicated over 30 years to research and development in lithium metal and polymer electrolyte technology, making it an exclusive ...

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Building on its position as a global leader in films for capacitors, the Bollor's Group made electricity storage a major priority for development. It has developed a unique technology in the form of ...

As a subsidiary of the Bollor's Group, Blue Solutions has dedicated over 30 years to research and development in lithium metal and polymer electrolyte technology, making it an exclusive producer of solid-state batteries for more than 15 years.

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