



Ivory Coast innolith energy battery

What is innolith I-state battery technology?

Basel, Switzerland, 13 th June 2023 - Innolith, a European developer of Li-ion battery cell technologies, today announces the commercialisation of its I-State battery technology platform for use in electric vehicles (EVs) and e-mobility applications.

What is innolith e-mobility battery technology?

Innolith runs one of the world's leading battery cell research programs at its R&D Center in Bruchsal, Germany, where it is pioneering a next generation e-mobility battery technology based on a proprietary electrolyte that delivers cells with lower cost, high energy density along with higher safety and temperature performance.

Is innolith a sustainable battery?

The I-State battery uses 20% fewer rare-earth metals per kilowatt-hour than traditional lithium-ion batteries. The battery is also made with 100% locally produced electrolyte, and the electrolyte is recyclable, collectively making the battery more sustainable. Innolith is headquartered in Basel, Switzerland. It was started over 20 years ago by

What is innolith battery cell technology?

The Innolith battery cell technology is based on the proprietary liquid inorganic electrolyte that can operate at up to 5 volts without degradation, unlike the Li-ion batteries in use today that are limited to 4.2 volts. This gives the batteries higher gravimetric energy density of 300 Wh/kg and volumetric energy density of 825 Wh/L.

Does innolith have a high power cell?

In addition to a high energy cell, Innolith has recently developed a high power cell on the same I-State platform. Development of the high-power cell that still retains exceptional energy density was possible due to the high conductivity of the I-State electrolyte (up to four times that of conventional Li-ion electrolyte).

Is innolith launching a high-performance I-state battery?

Dedicated to democratizing access to electric vehicles (EVs) for everyone, Innolith recently unveiled plans to introduce its freshly sanctioned, high-performance I-State battery to the EV market. Until 2016 it was illegal for retail investors to invest in high-growth startups.

A MIGHTY BATTERY TECHNOLOGY. Our current commercialisation focus is cylindrical format as the most common battery format, ready to be manufactured anywhere in the world. We have already produced full cell 21700 B-samples that are well accepted by variety of partners across multiple e-mobility industries.

The technology used in the I-State battery reduces those cons by lowering the carbon footprint of an EV



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battery while also cutting down manufacturing costs and increasing energy density. The battery is innovative in that it uses an inorganic liquid electrolyte, which allows it to operate at higher voltages than lithium-ion batteries.

A Swiss company called Innolith AG claims it has developed a battery that can theoretically offer 621 miles of range on a single charge. It is, they claim, the world's first 1,000 Wh/kg (watt...

Using an entirely new battery chemistry, I-State will cut EV costs and increase vehicle range through a high energy density of 300 Wh/kg (NMC811/Graphite) while improving both safety and performance. This is made possible through its high voltage, high conductivity, non-flammable electrolyte that also enables an improved temperature range of ...

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Innolith, an energy technology start-up based in Switzerland, claims to have made the world's first rechargeable battery capable of powering an electric vehicle (EV) for more than 600 miles on a single charge.

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Innolith's I-State Battery represents a groundbreaking leap forward in electric vehicle battery technology. Its higher energy density, lower cost, and reduced dependency on green metals...

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