

Guam hpb solid state battery





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Quantum leap in battery technology , AltEnergyMag

The Bonn-based company High Performance Battery (HPB) has achieved a decisive breakthrough in battery and storage technology: a team led by Prof. Dr. Günther Hambitzer has developed the world's first solid-state battery with outstanding properties to production readiness.

Solid-state batteries could revolutionize EVs and more--if they

...

3 · Typically, these batteries aren't completely solid like a silicon chip; most contain small amounts of liquid. But they all have some sort of solid material acting as the electrolyte: the stuff that allows ions to travel between the positive end of the battery (the cathode) and the negative end (the anode), rather than the liquid used in lithium-ion batteries.



German start-up develops the world's first solid-state ...

A team of scientists working for Bonn-based company High Performance Battery (HPB), led by Prof. Dr. Günther Hambitzer, has achieved a decisive breakthrough in battery and storage technology with the development ...

Technology



The subject of battery development is the interaction of the three core components of a battery: anode, cathode and the HPB Solid-State Electrolyte as a complete battery cell. The development also includes industrial production

...



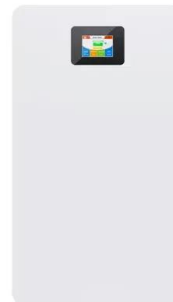
Quantum leap in battery technology / German start-up develops ...

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Solid-state battery from Swiss HPB AG with excellent ...

The company High Performance Battery (HPB) has developed the world's first solid-state battery whose core - unlike all other solid-state battery projects - is the result of a chemical reaction within the battery. Whereas solid ion conductors are usually inserted into the battery as prefabricated parts, the HPB solid ion conductor is first



Technology

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Quantum leap in battery technology

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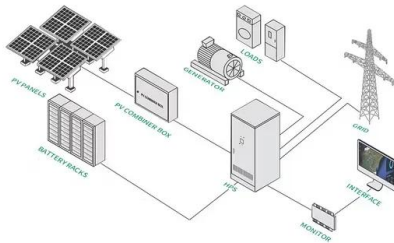
German start-up develops the world's first solid-state battery ...

A team of scientists working for Bonn-based company High Performance Battery (HPB), led by Prof. Dr. Günther Hambitzer, has achieved a decisive breakthrough in battery and storage technology with the development of the world's first solid-state battery with outstanding properties to production readiness.

High Performance Battery

The HPB Solid-State Electrolyte is formed from solid and liquid starting materials directly in the cell. Thanks to the unique drop-in production, the manufacturing of the HPB Solid-State Battery can be scaled up without the need to develop completely new production technologies.





Solid-State Battery

High Performance Battery Technology GmbH (HPBT) has developed an advanced solid-state battery that offers safety, a tremendous battery lifetime and up to a 50 % better environmental balance. The solid electrolyte - based on an inorganic system - is introduced into the cell in a liquid state using

Quantum leap in battery technology

For the automotive industry, which develops its own high-performance rechargeable batteries, HPB provides its safe, robust and outstandingly conductive HPB solid-state electrolyte.

GRADE A BATTERY

LiFePO4 battery will not burn when overcharged, over discharged, overcurrent or short circuited and can withstand high temperatures without decomposition.



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