New Partnership Aims to Commercialize Safe, American-made Non-flammable Lithium-Ion Battery Packs

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Nanotech Energy, Soteria Battery Innovation Group, and Voltaplex Energy have joined forces to address safety concerns related to e-bike batteries. The partnership aims to commercialize domestically produced non-flammable lithium-ion battery packs by early 2024.

As part of the production process, Nanotech Energy will combine Soteria's metallized polymer current collectors with their own electrolyte and proprietary electrodes to create high energy, ultra-safe 18650 cells. These cells will initially be manufactured at Nanotech Energy's facility in Chico, CA, with plans to expand production capacity in the US and Europe.

Voltaplex Energy will then utilize these cells to develop battery packs specifically designed for the e-bike, robotics, medical, and military markets. Expansion into other small device markets is also anticipated.

Curtis Collar, Chief Sales and Marketing Officer at Nanotech Energy, expressed the significance of this partnership in enhancing safety: "The scourge of cheap, low-quality e-bike batteries have been endangering Americans for too long… Today, this agreement marks a significant moment of progress in the battle to keep our homes and streets safe."

Brian Morin, CEO of Soteria Battery Innovation Group, emphasized the strength of the technology and manufacturing partnership: "Access to these non-flammable graphene-powered cells will enable Voltaplex to serve the needs of demanding, highly complex applications without compromising safety."

Voltaplex Energy will be the first to bring these cells to market, with plans to make them available to other pack and device manufacturers. BatteryBro, Voltaplex's sister company,

will distribute small quantities of cells, and consumers will be able to purchase the packs from major e-commerce platforms.

This partnership addresses safety concerns surrounding e-bike batteries and aims to provide safer alternatives for various industries. It marks a significant step towards ensuring the safety of homes and communities.

Read the original article on EnergyPortal.