

ContainerPower Energy Solutions

New sodium-ion battery and energy storage project



Overview

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Proponents say sodium-ion batteries degrade more slowly, operate more efficiently and have lower fire risk. But high-profile failures cloud the U.S. market. Denver-based Peak Energy powered up what it says is the United States' first grid-scale sodium-ion battery installation. Courtesy of Peak.

Researchers in Germany have developed a new type of sodium-ion battery made from wood waste that could be used for stationary or mobile storage applications where fast charging is not required. The project, also known as ThüNaBsE (Thuringia Sodium-Ion Battery for Scalable Energy Storage), brought.

A \$50 million consortium will develop sodium-ion batteries that will be a more sustainable and lower-cost alternative to lithium-ion technology and begin to foster an industrial ecosystem for sodium-ion batteries in the U.S. Argonne Distinguished Fellow Christopher Johnson in the lab working on.

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The technology behind sodium-ion batteries just got a whole lot more advanced thanks to one small tweak in their design. Scientists at the University of Surrey discovered that by charging traditional approaches to using nanostructured sodium vanadate hydrate (NVOH), a pre-existing sodium-

based.

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