

Exide Industries on Saturday said it is strategically poised to lead the future of energy storage through a dual-pronged focus on its conventional lead-acid battery business and the next ...

In a major step forward for sustainable energy technology, researchers at Worcester Polytechnic Institute (WPI), led by Professor Yan Wang, William B. Smith Professor of Mechanical and ...

An Iowa State University researcher is using a special tool to test the limits of lithium-ion batteries. Todd Kingston says the device called the accelerating rate calorimeter or ARC. "It ...

Gradiant, a global water and resource recovery innovator, has announced the world's first fully integrated lithium production facility using oilfield produced water, through its lithium platform ...

The CATMAT project is researching next-generation cathode materials that could significantly increase the energy density of lithium-ion batteries. There is an urgent need to increase the range of electric vehicles ...

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Lithium-ion batteries are in most consumer electronics, from power banks and smartphones to active mobility devices. Although fires arising from the use of these batteries are not ...

Exide Industries is strategically positioning itself for growth in energy storage by focusing on both lead-acid and lithium-ion batteries, with significant investments in innovation and ...

A research team in South Korea has developed a breakthrough transfer printing technology that forms protective thin layers on lithium metal surfaces--an innovation poised to solve the long-standing dendrite issue plaguing next ...

Inverter batteries are used to store extra energy produced by solar panels during the day or PHCN power for usage at night or on cloudy days. In this article, we will look at the top ten solar battery brands in Nigeria, which include ...

Kalmar has introduced its second-generation lithium-ion (Li-ion) battery solution for its range of electrically powered counter balanced equipment: reachstackers, empty container handlers ...

Sodium is more than 500 times more abundant than lithium, which is available in a few countries. Sodium-ion battery charges faster than lithium-ion variants and have a three times higher lifecycle. However, sodium-ion

...

A team of McGill University researchers, working with colleagues in the United States and South Korea, has developed a new way to make high-performance lithium-ion battery materials that ...

IDTechEx's report "Additives for Li-ion Batteries and PFAS-Free Batteries 2026-2036: Technologies, Players, Forecasts" provides a detailed deep-dive into the fast-evolving ...

Buried deep within the negative electrode of advanced lithium-ion batteries, silicide is stepping into the spotlight. Forget basic silicon; silicide offers a smarter path to the energy storage ...



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