

SolarTech Power Solutions

New magnesium battery energy storage



Overview

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University of Waterloo researchers have made a key breakthrough in developing next-generation batteries that are made using magnesium instead of lithium. When the idea to create batteries using magnesium was first shared in a seminal academic paper in 2000, that novel design didn't provide enough.

A new magnesium battery can charge, work at room temperature, and use common materials. Could this be the breakthrough that challenges lithium for energy storage?

Prototype coin-cell magnesium battery with the newly developed amorphous oxide cathode powering a blue light-emitting diode (LED). Since.

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