



**SolarTech Power Solutions**

# **Potassium-oxygen battery energy storage**



## Overview

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Batteries have long been a cornerstone of energy storage technologies, offering low-carbon and sustainable solutions across diverse applications from large-scale power grids to electric vehicles and portable electronics. In response to growing global energy demands, research efforts are.

Researchers have built a more efficient, more reliable potassium-oxygen battery, a step toward a potential solution for energy storage on the nation's power grid and longer-lasting batteries in cell phones and laptops. In a study published Friday in the journal *Batteries and Supercaps*, researchers.

Researchers at Ohio State University recently published a study in the *Journal of Batteries and Supercapacitors* to illustrate a more efficient and reliable potassium-oxygen battery, which may be a key step in solving long-term energy storage in the grid. This study revolves around the cathode.

Researchers have detailed their findings centering around the construction of potassium-oxygen battery's cathode, which stores the energy produced by a chemical reaction in a metal-oxygen or metal-air battery. The finding could make renewable energy sources like solar and wind more viable options.

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