

# Xiao Jie s new home energy storage system



## Overview

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The world's first intelligent grid-forming photovoltaic and energy storage power station, tailored for ultra-high altitudes, low-temperatures and weak-grid scenarios, has been connected to the grid in Ngari prefecture, Southwest China's Xizang autonomous region. Xiao's research has changed how battery research is conducted and reported in the. Dr. Xiao is currently a Boeing Martin Professor in Mechanical Engineering at University of Washington with an incoming joint appointment as a Battelle Fellow at Pacific Northwest National Laboratory (PNNL). Xiao leads research thrusts on both. She has been leading research thrusts on both practical applications and fundamental study of energy storage materials and systems, spanning from micro-batteries for acoustic fish tags to advanced battery technologies for vehicle electrification and grid energy storage.

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### American Chemical Society

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### Jie Xiao -- The C3E Initiative

Her research has led to breakthroughs in long-cycling, next-generation high-energy lithium metal batteries and novel battery materials, accelerating the establishment of domestic manufacturing ...



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### Women @ Energy: Jie Xiao

Dr. Xiao leads research thrusts on both practical applications and fundamental study of energy storage materials and systems, spanning from micro-batteries for acoustic fish tags to ...



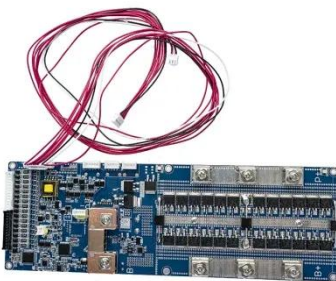
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### Jie Xiao , UW Department of Mechanical Engineering

Dr. Xiao has been leading research thrusts in both fundamental research and practical applications of energy storage materials and systems to enhance grid resilience, develop new sensors and support ...

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### Across China: Pioneering energy storage system lights up "roof of the

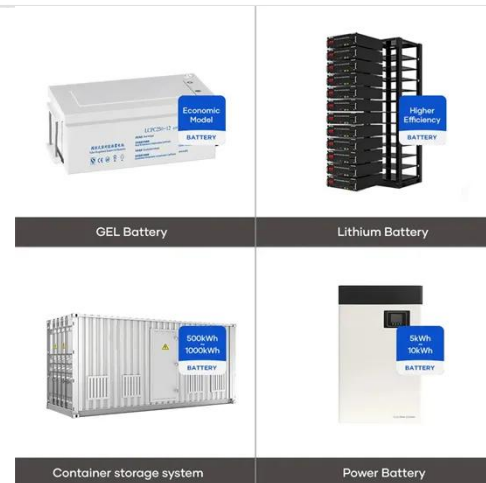
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### Electrochemical Energy Storage: From Materials Science to ...

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### Jie Xiao , School of Materials Science and Engineering

Electrochemical energy storage especially lithium-based battery

technology enables electrification of the transportation sector and significantly improved stationary grid storage, hence is ...

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