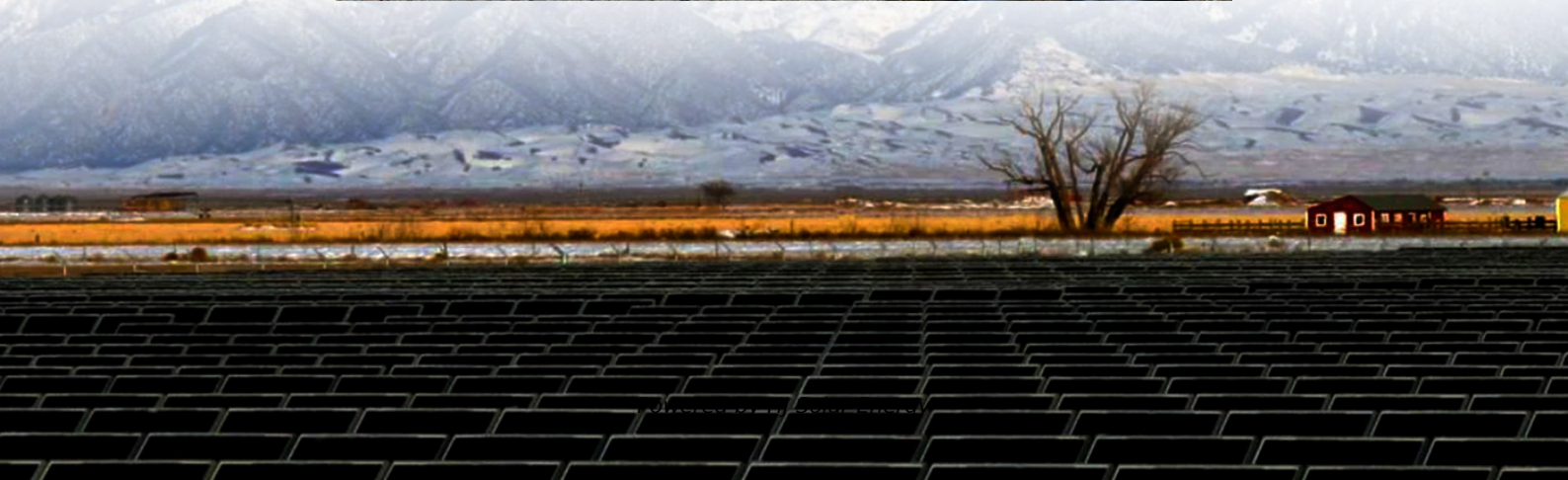


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Overview

Are interdisciplinary links between energy storage technologies and ICTs?

Co-classification analysis provides a practical approach for identifying the interdisciplinary interactions among different research and technology fields. Co-classified patents between energy storage technologies and ICTs were collected in this study as indicators for interdisciplinary links between energy storage and digitalization.

What are emerging digital technologies in energy storage?

Under a global wave of digital transformation, a growing body of research has recognized and introduced the significance of emerging digital technologies embedded in energy storage [16, 17], particularly on the blockchain [18, 19], energy big data and cloud computing [20, 21] and the energy Internet of Things (IoT) [18, 22].

Does digital transformation affect energy storage innovation?

Baseline analysis Table 3 shows the impact of digital transformation on energy storage innovation estimated by a negative binomial model. Our findings show that digitalization strategies have a significant positive impact on technological innovation in energy storage after controlling for years and industry fixed effects.

Does digital strategy influence energy storage innovation?

Our findings suggest that firms' digital strategies, especially digitization and IoT strategy, have a positive impact on energy storage innovation, indicating a promising coordinated development between digital and energy storage technologies.

Can energy storage and digitalization help achieve a cross-regional energy system?

We provide policy implications to utilize the internal coordination between



energy storage and digitalization in achieving a cross-regional energy system, and highlight its significance for the coordinated development of energy and society, which calls for worldwide attention in the context of energy transition.

Does R&D help firms innovate in energy storage?

In terms of covariates, R&D was associated with firm innovation in energy storage. It is reasonable to assume that the total number of patent applications reflects firms' R&D ability to integrate internal and external innovation resources, which could help firms innovate in niche markets such as energy storage.



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[International Society for Energy Storage Materials](#)

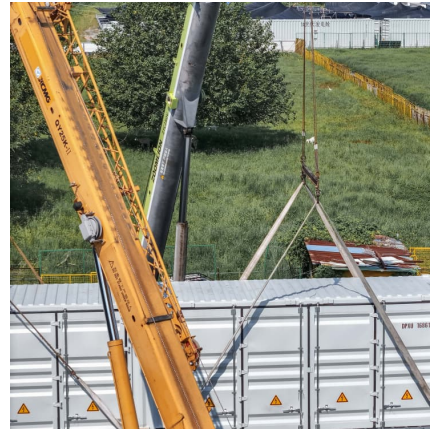
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NEESSC 2025

Experts and scholars/research teams who are interested are welcome to submit their application for the special session to neessc@163 . When applying, detailed proposals



for the special ...



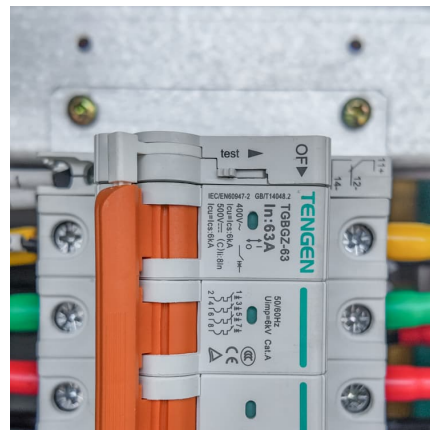
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ZOE Energy Storage Awarded for Innovative Commercial Energy Storage

This summit, co-hosted by the China Energy Storage Alliance, the People's Government of Baiyun District, Guangzhou, China Southern Power Grid Technology Co., Ltd., and ...



IRENA Released World's First Report on Energy Storage in ...

On November 7, the International Renewable Energy Agency (IRENA), a lead global intergovernmental agency for energy storage transformation, released the energy storage report ...



ESIE 2026 (Beijing)

Fully initiating international cooperation to support energy storage companies to expand globally. The expo will invite participation from power companies, power generation groups, grid ...

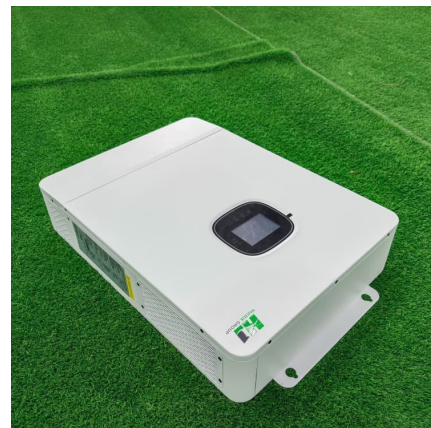


[International Energy Storage Alliance](#)

This will accelerate industry development, promote greater energy-saving in the long term, and lead to better environmental outcomes for future generations.

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In the context of global trend of digitalization, firms and governments are proposed to follow digital trends and grasp new opportunities in the energy storage industry and other emerging energy ...





Moving Forward While Adapting

Lai Xiaokang, Chief Expert, Institute of Electrical Engineering, China Electric Power Research Institute: The energy storage industry has experienced many ups and downs ...

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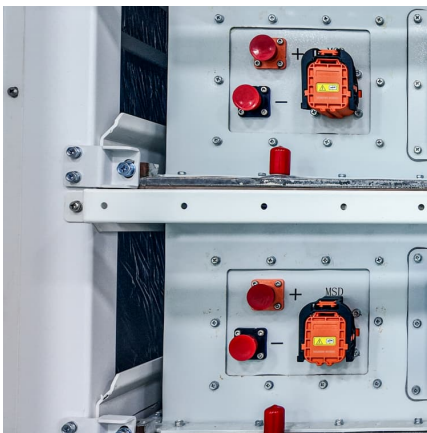
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[Shunli Wang_TECHNICAL COMMITTEE_AMEM 2025](#)

Shunli Wang Wang Shunli, professor, doctoral supervisor, vice president of the Smart Energy Storage Research Institute, academic dean of the School of Electric Power of Inner Mongolia ...

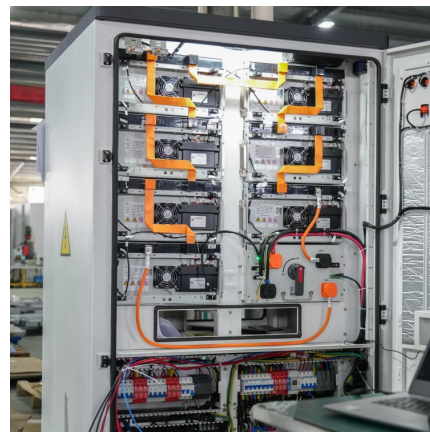


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