

Shuqing Yang; Dapeng Zheng; Chi Sun Poon; Hongzhi Cui; ... is a promising energy storage material in the construction field because of their characteristics, such as high latent heat, low price ...

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By configuring the optimal energy storage capacity, adjusting the power distribution of the microgrid, and integrating the analysis of uncertain factors and random events in the energy storage configuration mode, the ...

The study provides a study on energy storage technologies for photovoltaic and wind systems in response to the growing demand for low-carbon transportation. Energy storage systems (ESSs) have become an emerging ...

I am a subject editor of Solar Energy. My research interests include: solar forecasting, radiation modeling, data methods in solar engineering, statistical analysis for solar data. I am a big ...

Tianmeng Yuan 1 · Dapeng Liu 1 · Fei Yun · Jiwei Cai · Jiayue Sun Received: 15 September 2023 / Accepted: 18 November 2023 / Published online: 29 December 2023 ... Fig.1 Wind-PV ...

The goal of this review is to offer an all-encompassing evaluation of an integrated solar energy system within the framework of solar energy utilization. This holistic assessment ...

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PV at this time of the relationship between penetration and photovoltaic energy storage in the following Table 8, in this phase with the increase of photovoltaic penetration, ...

Firstly, the optimal scheduling model of a PV-energy storage system is constructed considering its economy and technical indicators, and the charging and discharging power of the energy ...

Encouragingly, major breakthrough has been made in Li-O₂ and Zn-air batteries by aid of photo assistance. By constructing the hybrid nanostructures of TiN/TiO₂ @carbon ...

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