

How can firms and governments follow Digital Trends in energy storage?

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 sectors, which also calls for effective policy and market design.

Which energy storage cell manufacturers are expanding overseas in 2024?

In 2024, frequent policy shifts and record-breaking tenders have made expanding overseas a top priority for manufacturers. According to InfoLink's statistics, non-China markets' energy storage cell shipments reached 137.3 GWh, with the top five suppliers being CATL, BYD, EVE Energy, AESC, and REPT.

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 energy storage technology improve system operation and maintenance?

It is also related to previous evidence on the significance of digital energy storage technology in enhancing system operation and maintenance [1, 55], which implies the global efforts towards the development of digital and intelligent energy-storage systems.

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.

What is the relationship between energy storage and digitalization?

The internal coordination between energy storage and digitalization is advocated. Booming digital technologies have brought profound changes to the energy sector. Digitalization in energy storage technology facilitate new opportunities toward modernized low-carbon energy systems.



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