

Number of domestic technology patents for energy storage power stations

The power industry continues to be a hotbed of patent innovation. Activity is driven by the need for more sustainable energy sources and a reduction in ...

A photovoltaic energy storage power station system that uses phase change materials for safe and reliable energy storage instead of batteries. The system comprises a ...

New Energy Storage Policies and Trends in China Energy storage development in China is seeing new trends emerge. First, energy storage technology is a multi-disciplinary, ...

Jinjiang 100 MWh energy storage power station project Contemporary Amperex Technology Co., Limited (CATL) is a global leader in new energy innovative ...

Pumped storage power stations in Central China are typical for their large capacity, large number of approved pumped storage power stations and rapid approval. This ...

In this work, the development status of China's energy storage industry is analyzed from the perspectives of technology, application and policy, by referring to a large ...

Foreword Stepping up efforts to develop new energy storage technologies is critical in driving renewable energy adoption, achieving China's 30/60 carbon goals, and establishing a new ...

Notably, the number of energy storage-related patent applications in the power industry was 779 in Q3 2024, versus 1,016 in the prior quarter.

Therefore, this paper analyzes the construction of small and medium-sized pumped storage power stations in Zhejiang from the aspects of construction background, ...

This special issue encompasses a collection of eight scholarly articles that address various aspects of large-scale energy storage. The ...

The power supply and energy storage characteristics of pumped-storage station are also implemented for boosting wind/solar stable transmission in this paper. The results show that ...

With the proposal of the "carbon peak and neutrality" target, various new energy storage technologies are emerging. The development of energy storage in China is ...

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Using patent data from 1978 to 2019 across 1881 regions, we estimate the main determinants of innovation in energy storage. Our results highlight the role of energy prices and past innovation ...

The global power industry experienced a 23% decline in the number of energy storage related patent applications in Q3 2024 compared with the previous quarter, according ...

4 SUMMARY The selected papers for this special issue highlight the significance of large-scale energy storage, offering insights into the cutting ...

The move to renewable energy has created a significant need for energy storage capacity and gravitational energy storage is one of the technologies being developed to satisfy ...

Common key technical barriers for new energy vehicles include vehicle integration technology, electric drive technology, energy storage technology, high-voltage electrical technology, and ...

An energy storage power station and mobile technology, which is applied to systems, electrical components, circuit devices, etc. for storing electrical energy, can solve the problems of ...

Laboratory of Fire Protection for Transmission and Distribution Facilities), Hefei, 230022, China ... battery energy storage power station fires at home and abroad, such as more than 20 energy ...

This article provides a comprehensive guide on battery storage power station (also known as energy storage power stations). These facilities play a crucial ...

A variety of patents can be filed concerning energy storage technologies, including utility patents and design patents. Utility patents protect functional aspects of an ...

The purpose of the present invention is to be to provide a kind of household energy storage power station, solve one of above-mentioned prior art problem or Person is multiple.

Based on the data of invention patents, this paper analyzes the innovation situation of global energy storage safety technology, providing a reference basis for future ...

1. There are over 300 energy storage power station companies in China, 2. This sector has witnessed rapid growth due to technological ...

Overview Patents provide early indications of technological developments that may transform the economy

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and drive the energy transition.

This page includes the patent name, patent number, legal status, invention/applicant, technical efficacy and accompanying drawings of Battery storage power station-related invention patents ...

Discover how power companies like Contemporary Amperex Technology Ltd, General Motors Co, and Tesla Inc are revolutionizing energy storage through innovative patents. Improve battery ...

Annual patents filed for energy storage technologies Figures in recent years are subject to a time lag; submitted patents may not yet be reflected in the data.

As fossil fuel generation is progressively replaced with intermittent and less predictable renewable energy generation to decarbonize the power system, Electrical energy ...

What is the outlook for energy storage installations in 2024? Outlook for Energy Storage Installations in 2024 Looking ahead to 2024, TrendForce anticipates a robust growth in China's ...

Imagine your smartphone battery - but scaled up to power 12,000 homes. That's exactly what China's latest largest domestic energy storage power stations are achieving. As renewable ...

It can be predicted that the number of fire-protection technology patents for energy storage systems will continue to evolve, and the combination of relevant policies and markets will ...

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