

## European Solar Energy Storage

# China new energy storage development report 2024



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### Future of China's New Energy Storage in 2024: Institutions

More than 50% of energy storage system companies (including large storage systems, industrial and commercial storage systems, household storage systems, etc.) will be eliminated, and the top ten energy storage system integrators will capture over 80% of ...

### China's new energy storage capacity exceeds 70 million KW

BEIJING, Jan. 24 -- China's new energy storage sector has seen a rapid growth in 2024, with installed capacity surpassing 70 million kilowatts, said an official with the National Energy Administration (NEA).



### China's Energy Storage Development Outcome in ...

According to the National Energy Administration (NEA), in 2024, China commissioned energy storage systems (excluding pumped storage power plants) with a total capacity of 42.37 GW / 101.3

### China's Battery Storage Capacity Doubles in 2024

By December 31, 2024, China's total installed

capacity stood at 62 GW and 141 GWh. The majority--95%--of these installations were either standalone storage units or systems paired with renewable energy sources. The CEC report emphasizes the rapid pace of development in this sector.



## China's new energy storage capacity surges to 74 ...

In 2024 alone, China added 42.37 GW/101.13 GWh of new storage capacity (excluding pumped hydro), with an average discharge duration of 2.3 hours--up from 2.1 hours in 2023.

## The development of China's new energy storage industry in 2024

It is estimated that by 2030, the cumulative installed capacity of energy storage in China will be about 315GW, of which the cumulative installed capacity of new energy storage will be about 170GW, that of pumped storage will be about 140GW, and that of cold and heat storage will be about 5GW.



## THE CHINA BATTERY ENERGY STORAGE SYSTEM ...

Ahead and heading into a new era for new energy, it is expected that China's energy storage capacity and its BESS capacity in particular will grow at a CAGR rate of 44% between 2023 and 2027.



## China National Energy Administration Released Official Report

This inaugural report provides an authoritative account of NES development across China, covering industry trends, policy advances, technological progress, and market performance in 2024.



**Product Model**  
 HJ-ESS-215A(100KW/215KWh)  
 HJ-ESS-115A(50KW 115KWh)

**Dimensions**  
 1600\*1280\*2200mm  
 1600\*1200\*2000mm

**Rated Battery Capacity**  
 215KWH/115KWH

**Battery Cooling Method**  
 Air Cooled/Liquid Cooled



## CHINA'S ACCELERATING GROWTH IN NEW TYPE ...

In terms of storage types, the dominant advantage of lithium-ion batteries continues to expand, accounting for 97.4% of the new type storage installation. Other types, such as air compression, and redox flow cell, have also achieved some breakthroughs, but their proportions remain low.

## 2024 White Paper on the Development of China's New Energy Storage

As the world's largest energy producer and consumer, China not only faces the challenges of energy security and environmental sustainability, but also has huge development potential.



## China's new energy storage capacity surges to 74 GW/168 GWh in 2024...

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## China's Energy Storage Development Outcome in 2024

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