HJ Solar Energy

The installed capacity of new domestic energy storage exceeds 10gw for the first time

Overview

By the end of 2024, the cumulative installed and operational capacity of new energy storage projects nationwide reached 73.76 GW/168 GWh, approximately 20 times that of the end of the 13th Five-Year Plan and more than 130% higher than at the end of 2023.

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According to incomplete statistics from the CNESA DataLink Global Energy Storage Database, as of the end of June 2025, China's cumulative installed capacity of power storage reached 164.3GW, a year-on-year increase of 59%. This year marks the final year of the "14th Five-Year Plan." Compared with.

In 2024, new energy storage continued its rapid development, with installed capacity surpassing 70 GW. By the end of 2024, the cumulative installed and operational capacity of new energy storage projects nationwide reached 73.76 GW/168 GWh, approximately 20 times that of the end of the 13th.

The cumulative installed capacity of new energy storage in China is expected to exceed 100 gigawatts (GW) by 2025, according to the Energy Storage Industry Research White Paper 2025 released by the Institute of Engineering Thermophysics on 10 April. The capacity is likely to surpass 200GW by 2030.

BEIJING, Jan. 24 (Xinhua) -- 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). Bian Guangqi, deputy director of the NEA's energy saving and technology equipment.

The country's power storage capacity has steadily increased this year, with over 44 million kilowatts already in operation by the end of June, up 40 percent year-on-year, the energy authority said during a news conference in Beijing. The government has been continuously advancing energy storage.

Announced by the National Development and Reform Commission (NDRC) and the National Energy Administration (NEA), the new plan is expected to drive CNY 250 billion ($35.1 billion) in sector investment. From ESS News China aims to install more than 100 GW of new energy storage – primarily battery.
How big is energy storage in 2024?

By the end of 2024, the cumulative installed and operational capacity of new energy storage projects nationwide reached 73.76 GW/168 GWh, approximately 20 times that of the end of the 13th Five-Year Plan and more than 130% higher than at the end of 2023.

Will China's new energy storage sector grow in 2024?

BEIJING, Jan. 24 (Xinhua) -- 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).

What is the future of energy storage in China?

The new energy storage market in China has great development potential in the future. The cumulative installed capacity of new energy storage in China is expected to exceed 100 gigawatts (GW) by 2025, according to the Energy Storage Industry Research White Paper 2025 released by the Institute of Engineering Thermophysics on 10 April.

Which region has the most energy storage capacity?

The distribution of installed capacity by region was as follows: North China (30.1%), Northwest China (25.4%), East China (16.9%), Central China (14.7%), Southern China (12.4%), and Northeast China (0.5%). New energy storage stations are increasingly centralized and large-scale.

How big is China's energy storage capacity?

The cumulative installed capacity of new energy storage in China is expected to exceed 100 gigawatts (GW) by 2025, according to the Energy Storage Industry Research White Paper 2025 released by the Institute of Engineering Thermophysics on 10 April. The capacity is likely to surpass 200GW by 2030, more than double the 2024 level of 73.76GW.

How much energy storage does China have in 2023?

By the end of 2023, China had completed and put into operation a cumulative

installed capacity of new type energy storage projects reaching 31.4GW / 66.9GWh, with an average storage duration of 2.1 hours. The newly added installed capacity in 2023 was approximately 22.6GW / 48.7GWh, which is three times that for 2022 (7.3GW / 15.9GWh).

The installed capacity of new domestic energy storage exceeds 10g

June , Monthly Project Tracker of New Energy Storage , Large ...

Core Data: o In June, newly commissioned new energy storage reached 2.33GW/5.63GWh in China; for the first time, the "June 30" grid-connection peak cooled down. ...

Installed Capacity Reaches 168 GWh with 130% Growth: Chinese ...

By the end of 2024, the cumulative installed and operational capacity of new energy storage projects nationwide reached 73.76 GW/168 GWh, approximately 20 times that ...

Anticipating a Surge: Global New Installations in 2024 ...

From 2021 to 2023, the global energy storage installation base remained at a low ebb, but with burgeoning market demand, annual installed ...

Will the UK miss its target for 10GW of clean hydrogen by 2030?

The UK had set bullish targets for 5GW of clean hydrogen production capacity by 2030 in its strategy published in 2021, which was then

increased to 10GW by 2030 with a ...

[Solar and battery storage to make up 81% of new U.S.]

More than half of the new utility-scale solar capacity is planned for three states: Texas (35%), California (10%), and Florida (6%). Outside of ...

China's new energy storage capacity exceeds 70 million KW

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 ...

[Energy storage capacity to see robust uptick]

The installed capacity of renewable energy has achieved fresh breakthroughs. In the first half of 2024, the nationwide newly installed capacity for renewable energy power ...

[China emerging as energy storage powerhouse]

The nation's energy storage capacity further expanded in the first quarter of 2024 amid efforts to advance its green energy transition, with installed new-type energy ...

US adds cumulative 3.8 GW in Q3, residential battery storage ...

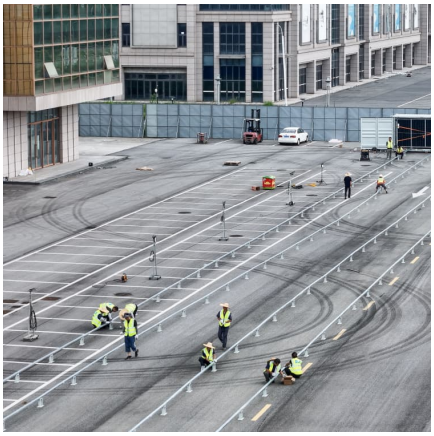
The United States' residential energy storage market set an all-time quarterly growth record, with 346 MW of residential storage installed in the third quarter of 2024. This is ...

United States sets new record with 50 GW of installed solar capacity

In 2024, the United States installed 50 gigawatts (GW) of additional solar capacity, accounting for 84% of all new electricity-generating capacities integrated into the national grid during the year. ...

[EU battery storage is ready for its moment in the sun]

EU battery storage is ready for its moment in the sun Coupling renewables and clean flexibility growth, the EU can benefit from abundant ...



[Battery storage capacity in the UK: the state of the ...]

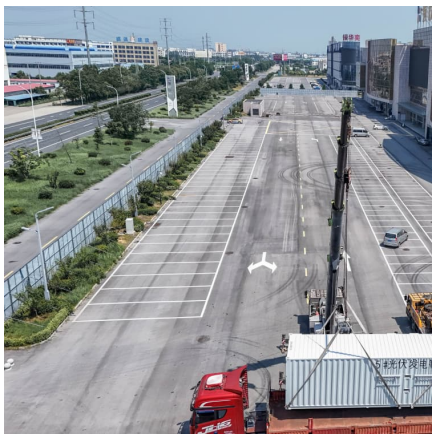
The UK's total battery storage project pipeline currently contains a total of 127GW of capacity. Figure 1 demonstrates the amount of ...

[New battery storage capacity to surpass 400 GWh per ...]

The era of battery energy storage applications may just be beginning, but annual capacity additions will snowball in the coming years as ...

Growth of Renewable Energy in the US , World Resources Institute

At the same time, onshore wind capacity growth has tapered off, with only 5.3 GW of new generation added in 2024, significantly less than wind installation levels in previous years. ...



CNESA Major Release on the 10th Western China Energy ...

As of the first half of 2025, China's cumulative installed capacity of new energy storage reached 101.3GW, a year-on-year increase of 110%, surpassing 100GW for the first time.

[Global energy storage market: H1 2024 installation ...]

Global energy storage installed capacity grew 93.8% YoY in the first half of 2024, coming in at 64.9 GWh. A total of 57.3 GWh came from utility ...

Economic Watch: China's new energy storage capacity exceeds ...

BEIJING, Jan. 24 (Xinhua) -- 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 ...

California - SEIA

California has over 49,000 MW of installed capacity and solar supplies more than 31 percent of California's electricity today, but it must play a bigger role if the state is to reach climate and ...

EU battery storage is ready for its moment in the sun , Ember

EU battery storage is ready for its moment in the sun Coupling renewables and clean flexibility growth, the EU can benefit from abundant home-grown wind and solar, reduce ...

[Europe installed 12GW of energy storage in 2024]

A total of 11.9GW of energy storage across all scales and technologies was installed in Europe in 2024, bringing cumulative installations to 89GW. According to the ninth ...

Global energy storage

Global additions of energy storage capacity 2010-2024 Annual gross capacity additions of energy storage worldwide in selected years from 2010 to 2023 (in gigawatt-hours)

[Report: U.S. Solar Panel Manufacturing Capacity ...]

Solar Market Insight Report Introduction In Q2 2024, the US solar market installed 9.4 GW dc of capacity, a record second quarter for the ...

[FACTSHEETS SERIES ON CHINA ENERGY TRANSITION ...]

By the end of 2023, China's cumulative installed capacity of wind power was 441 GW, an increase of 20.7% y-o-y. Wind power thus accounted for 15% of the total installed power, of which 404 ...

Solar, battery storage to lead new U.S. generating capacity ...

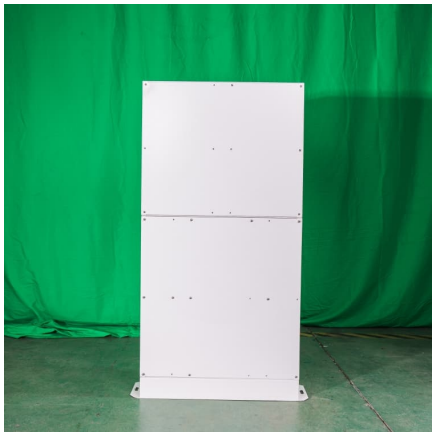
We expect 63 gigawatts (GW) of new utility-scale electric-generating capacity to be added to the U.S. power grid in 2025 in our latest Preliminary Monthly Electric Generator ...

[New-type energy storage poised to fuel China's growth]

China's installed capacity of new-type energy storage exceeded that of pumped storage for the first time at the end of 2024, according to a recent data release by China ...

[Energy storage capacity to see robust uptick]

According to the administration, the northern and northwestern parts of the country have seen the fastest development of new-type energy storage facilities, accounting for ...



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