

# Energy storage installed in the first half of the year

How did energy storage grow in the first half of 2024?

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-scale storage (including C&I), up 118% year-on-year. Meanwhile, 7.6 GWh came from the residential sector, up 7.7% year-on-year.

How much energy storage does the world have in 2023?

As of the first half of 2023, the world added 27.3 GWh of installed energy storage capacity on the utility-scale power generation side plus the C&I sector and 7.3 GWh in the residential sector, totaling 34.6 GWh, equaling 80% of the 44 GWh addition last year. Despite a global installation boom, regional markets develop at varying paces.

How has the energy storage industry changed over the past year?

2. The degree of project fulfillment has increased rapidly. In the past year, a total of 81.4 GWh of energy storage projects were tendered, and 66.2 GWh of installed capacity was completed, with a high degree of overall project fulfillment, reaching 81.3%, an increase of 10.3% month-on-month.

What percentage of energy storage installations are installed?

In terms of application scenarios, independent energy storage and shared energy storage installations account for 45.3 percent, energy storage installations paired with new energy projects account for 42.8 percent, and other application scenarios account for 11.9 percent. The installed capacity of renewable energy has achieved fresh breakthroughs.

Which countries will add more energy storage capacity in 2023?

France and Germany launched tenders successively. In 2023, Europe may add 17 GWh of installed energy storage capacity, with 9 GWh in the residential sector. Overall, China, the U.S., and Europe saw installed capacities growing at varying paces in the first half of 2023.

How much energy storage capacity will be added in 2024?

As the grid-connection procedure gradually improved, the market added 12.1 GWh of utility-scale energy storage capacity in the first half of 2024, up 188%. Project approval progress and interest rate reduction should be monitored in the second half.

Italy's cumulative 692,386 energy storage systems, installed by Sep. 30, 2024, had a total power rating of 5,034 MW and storage capacity of 11,388 MWh, according to the ...

The 380-MW battery storage capacity at Gemini and the 300-MW Eleven Mile Solar Center in Arizona were the two largest projects that came online in the first half of 2024.

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Our bi-annual Rooftop solar and storage report, January to June 2025 shows that Australian consumers and small businesses continue to take advantage of Australia's abundant solar ...

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Worldwide, 380 GW of new solar capacity was installed in the first half of this year, marking a 64% increase from 2024, when 232 GW was installed in the same timeframe, ...

Developers added 12 gigawatts (GW) of new utility-scale solar electric generating capacity in the United States during the first half of 2025, and they plan to add ...

During the first half of CY2024, solar power generated a total of 394TWh of electricity, 8% of total power generated. In June alone, 73TWh of solar was generated, a material 33.9% y-o-y ...

In the first half of 2025, North China, Northwest China, and South China contributed 80% of the new energy storage installed capacity, among which Inner Mongolia and Xinjiang performed ...

In quarter one of 2024, 184 MW of battery energy storage capacity began commercial operation across six new systems. This amount of battery buildout means total battery energy storage ...

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.

According to official information, as of May this year, the proportion of new energy installed capacity in Xinjiang, Inner Mongolia, and Qinghai exceeded half of total local ...

Bonn. Despite the expiration of the storage-specific subsidy scheme, the German market developed very positively in the first half of 2019. According to the analysis of the Bonn-based ...

1 ??&#0183; In the first half of the year, 18 gigawatts of solar were installed, 56% of the total installed capacity, and storage accounted for 26%, about 8.3 gigawatts (GW), according to a report from ...

2024 was the year of solar and batteries - and this double act is set to reshape global energy systems. Solar superpowers are emerging all around the world, not just major ...

Sunny metaphors don't really work in the storage market, but the future does look bright. The United States closed 2024 with record-breaking storage installation numbers, and ...

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According to data released last week by Italian solar energy association Italia Solare, Italy's independent energy storage installations surged in the first half of 2024, with a ...

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