

# Super large energy storage





## Overview

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What is Tesla's first energy storage facility outside the US?

As Tesla's first energy storage facility outside the US, it represents a \$201.76M investment and a milestone in China. Adjacent to the Gigafactory Shanghai, which produces over 950,000 EVs annually, the Megafactory will be a key export hub. Megapack is a powerful battery.

How big is China's Energy Storage Base?

According to official National Energy Administration data from its recent 'China new energy storage development report 2025,' the country's installed base at the end of 2024 totalled 73.8GW/168GWh. The China Energy Storage Alliance (CNESA) trade group said this represented a 130% year-on-year increase and about 40% of the global total.

What is China's energy storage policy & regulatory roadmap?

The policy and regulatory roadmap is aimed at pushing China's installed base of large-scale energy storage - primarily lithium-ion battery energy storage systems (BESS) - to 180GW by the end of 2027.

What is China's Energy Storage plan?

The plan's target represents a significant scaling up, even for the world's leading adopter and producer of energy storage technologies. According to official National Energy Administration data from its recent 'China new energy storage development report 2025,' the country's installed base at the end of 2024 totalled 73.8GW/168GWh.



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### [Tesla's Shanghai energy storage megafactory begins trial ...](#)

Oct 31, 2025 · US carmaker Tesla's Shanghai energy storage Megafactory has begun trial production, serving as a good example of cooperation between China and the United States to ...

### [40-GWh annual capacity Tesla Megafactory in Shanghai to ...](#)

Jan 6, 2025 · First of its kind factory built by Tesla outside the US Tesla's 40-GWh Megafactory in Shanghai, covering 200,000 sqm, is set to commence operations in Q1 2025. The factory will ...



### [China targets 180GW of installed BESS capacity by 2027](#)

Sep 17, 2025 · The policy and regulatory roadmap is aimed at pushing China's installed base of large-scale energy storage - primarily lithium-ion battery energy storage systems (BESS) - to ...

### **CATL begins large-scale shipments of next-gen battery cells for energy**

Dec 3, 2025 · CATL (HKG: 3750, SHE: 300750) has commenced large-scale commercialization of its next-generation high-capacity battery cells for



energy storage systems, following the ...



### Tesla's Megafactory Expansion: A Bold Step Forward in Energy Storage

Feb 2, 2025 · Explore Tesla's strategic expansion with a third Megafactory, record-breaking energy storage deployments, and innovations like the Powerwall 3. Discover how these ...

### CATL's 587 Ah battery cells for energy storage systems enter large

Dec 5, 2025 · Chinese media has reported that CATL's 587 Ah high-capacity energy storage cells have completed 2 GWh of shipments since the product's launch, and shipments are projected ...



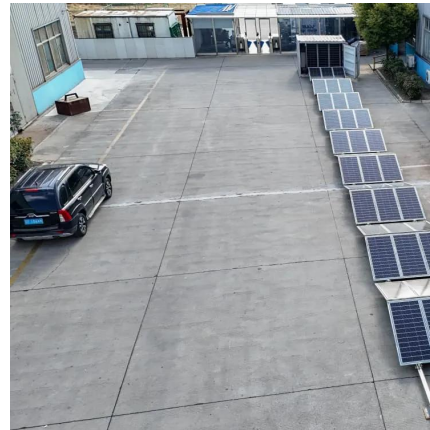
### [China powers up nation's largest standalone battery storage ...](#)

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### [Tesla's Shanghai Plant Ships 1,000 Megapacks in Six Months](#)

Jul 29, 2025 · Tesla noted that its energy storage products--including the Megapack, Powerwall and Powerpack--are now deployed across more than 65 countries and regions. The Shanghai ...



### [CATL Launches World's First 9MWh Ultra-Large Capacity](#)

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