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Energy Storage Power House





Overview

What energy storage system does Tesla use?

All of its energy storage units will use Tesla's Megapack electrochemical energy storage system produced at the Shanghai Megafactory. The electricity generated by the photovoltaic system will be directly supplied to the Megafactory, with excess power automatically stored in the Megapack for future use.

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 many kilowatts can a Tesla Megapack store?

Tesla's energy storage plant in Shanghai's Lin-gang Special Area commenced operation on Feb 11, as the assembly line started the production of the first Megapack unit. The Megapack, which is an advanced battery system designed for large-scale energy projects, can store more than 3,900 kilowatt-hours of electricity in a single unit.

What is China's new energy storage plant?

Located in Shanghai's Lingang Free Trade Zone, the plant aims to bolster global energy storage capacity by producing 10,000 Megapacks annually, equivalent to 40 GWh of energy storage. These lithium-ion battery units are designed for large-scale commercial and utility projects, helping stabilize power grids and support renewable energy integration.



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[Tesla to build grid-side energy storage station in Shanghai](#)

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[Tesla battery Megafactory in Shanghai launches production](#)

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[Tesla's Shanghai battery Megafactory launches production](#)

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expansion of the ...



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[China Economy: Tesla's new Megafactory for energy storage](#)

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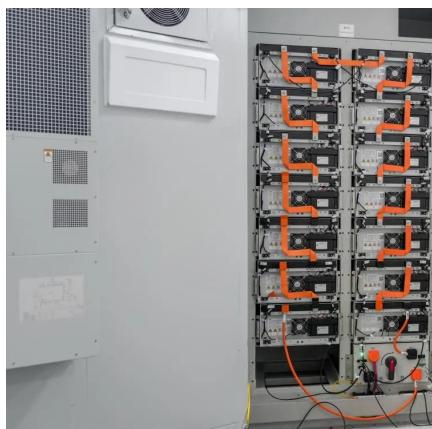
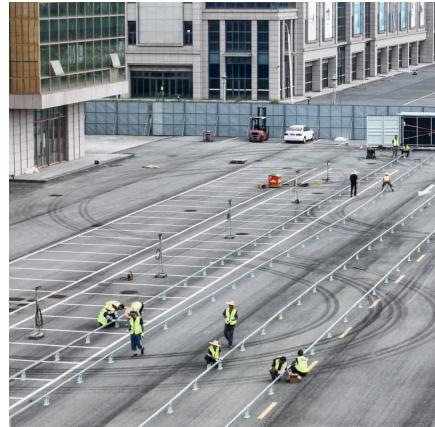
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Jun 21, 2025 · US carmaker Tesla on Friday inked a deal with Chinese partners to build a grid-side energy storage station in Shanghai using its Megapack energy-storage batteries.



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

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