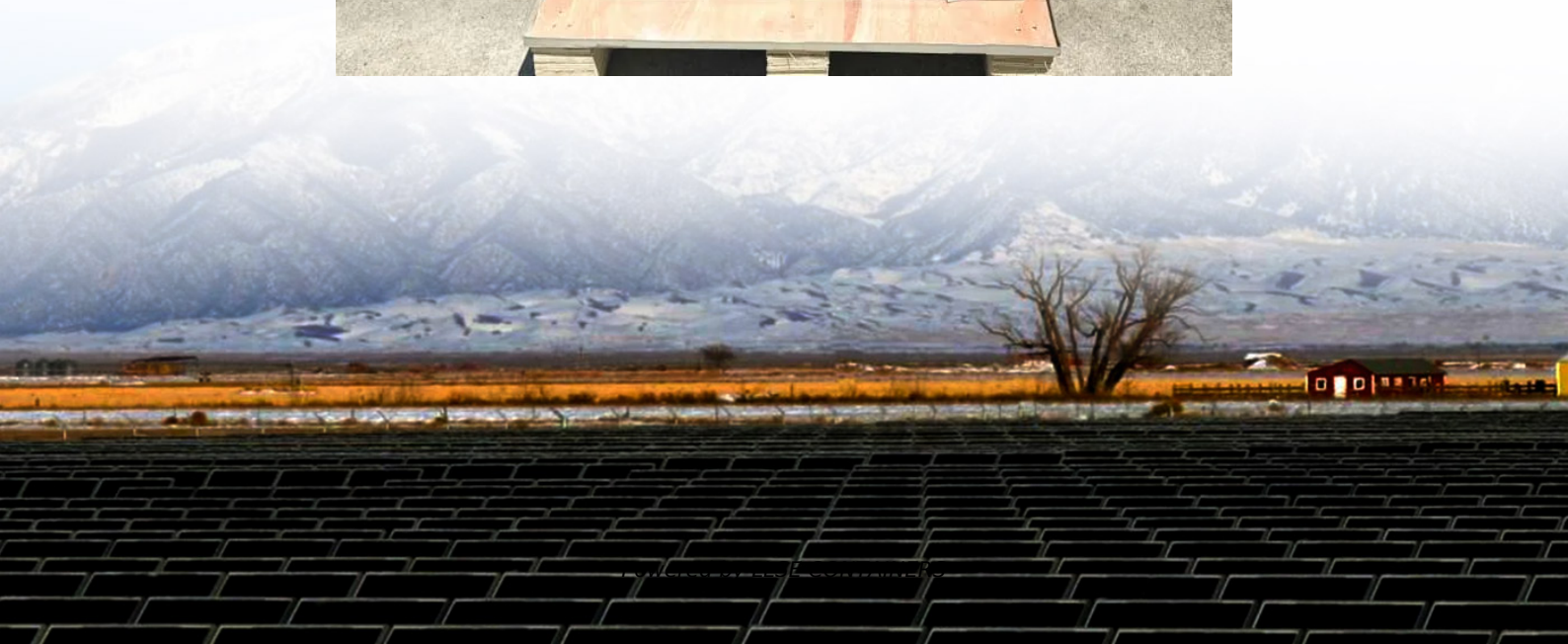


New Energy Vehicle Energy Storage Unit





Overview

Can new energy vehicles be used as mobile energy storage units?

New energy vehicles can also serve as mobile energy storage units, by interacting with the power grid through charging and discharging, a model known as V2G (Vehicle-to-Grid). V2G can improve the overall efficiency and stability of the power grid through peak-shaving and valley filling and its emergency response capability.

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.

Will Tesla build a grid-scale battery energy storage station in China?

Tesla has officially signed a ¥4 billion (C\$764/US\$557 million) deal to build its first grid-scale battery energy storage station in China, leveraging its Megapack technology.

How much energy does a Tesla Megapack store?

Notably, each Megapack unit can store over 3.9 megawatt-hours of energy -- sufficient to power approximately 3,600 households for one hour. Tesla anticipates a year-on-year increase of at least 50 percent in its energy storage deployments in 2025. The batteries produced at the factory will supply both the domestic and Asia-Pacific markets.



New Energy Vehicle Energy Storage Unit



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China Economy: Tesla's new Megafactory for energy storage

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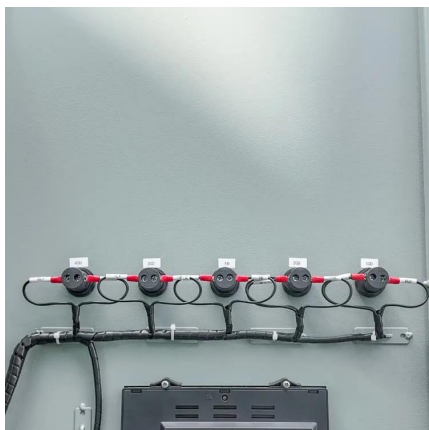


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