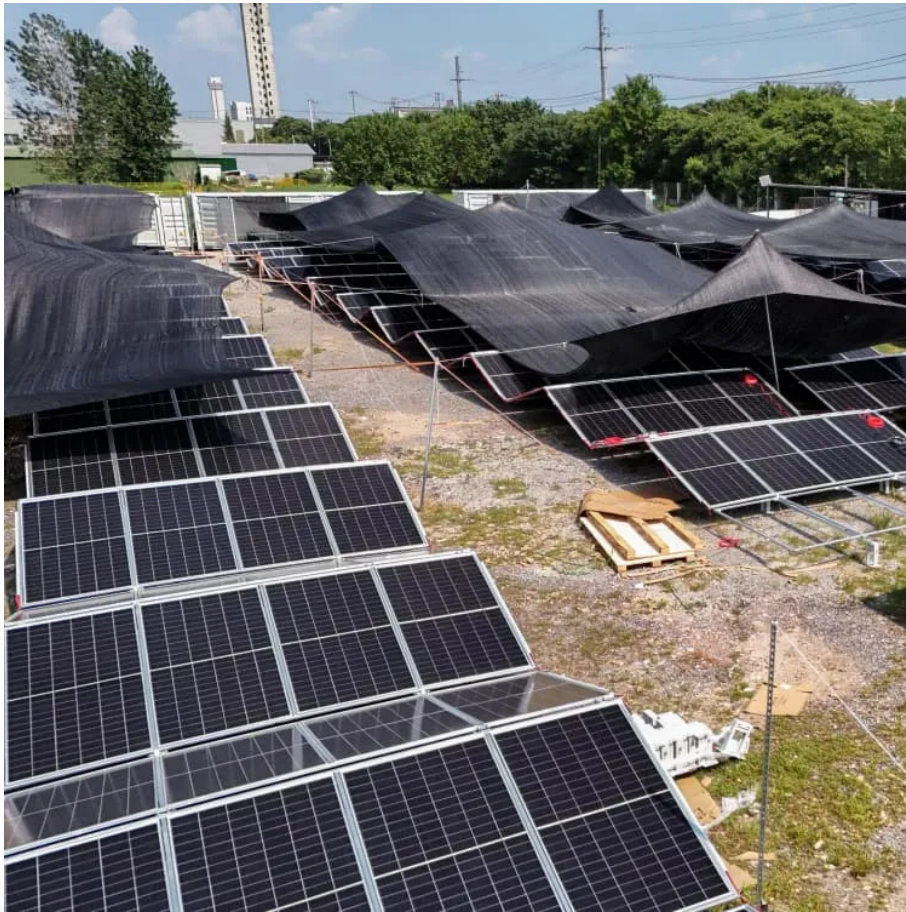


# Ultra-high voltage inverter production





## Overview

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What are ultra-high voltage (UHV) transmission projects?

As a key initiative within China's new infrastructure strategy, ultra-high voltage (UHV) transmission projects effectively mitigate the disparities in the distribution of power resources across the country to some extent. These projects are crucial for facilitating uninterrupted production in industrial enterprises.

Which EV traction inverter is best?

For EV traction inverter, more efficiency and right performance are key. While IGBT is ideal for cost-optimized drive-train, SiC demonstrates higher efficiency under WLTP partial load scenario. Infineon offers the best scalability in market between IGBT and SiC, allowing customers to freely choose the technology for their needs.

Why is Schaeffler launching a high voltage inverter brick?

With the launch of volume production of the high voltage inverter brick in Tianjin, China, Schaeffler has reached an important milestone in its electrification strategy. This first volume production is for a leading Chinese car manufacturer that is going to equip its new electric vehicle models with ultra-modern inverter brick technology.

How can UHV transmission technology improve the power grid?

First, the research and development of UHV transmission technology should continue to advance, particularly in terms of transmission frequency, transmission capacity, and system stability, to enhance the overall transmission capacity and stability of the power grid.



## Ultra-high voltage inverter production



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3 Conclusion With the rapid development of high-voltage inverter technology, its applications have expanded rapidly across various industries. In power plant production systems, high-voltage ...



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3 Conclusion With the rapid development of high-voltage inverter technology, its applications have expanded rapidly across various industries. In power ...



### Application of ultra-high power high voltage inverter in ...

Oct 22, 2015 · The successful commissioning of this project also proves that Leader Harvest has a greater leading advantage in ultra-high-power inverter technology, and the perfect ...



### Schaeffler starts volume production of its high voltage inverter ...

Sep 4, 2025 · First large-scale production of high voltage inverter brick for leading Chinese automotive manufacturer Production ramp-up in Tianjin, China within just one year despite ...



### Schaeffler Begins Mass Production of High-Voltage Inverter ...

Sep 7, 2025 · Schaeffler has started volume production of its high-voltage inverter brick at its Tianjin site in China, supplying a leading domestic carmaker as part of its push to expand in ...





Ultra high voltage transmission

Mar 14, 2024 · Its advantage lay in the possibility of using transformers to raise it to higher voltage levels, facilitating economical transmission. Both AC and DC generators produce electricity ...



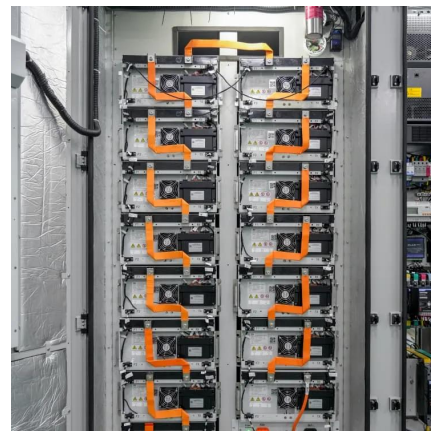
**An improved state-space average model of the ultra-high voltage**

Ultra-high voltage inverters are widely used as grid-connected devices in new energy grids, and the state-space average model is the most practical modeling method for the inverter.



Schaeffler starts volume production of its ...

Sep 4, 2025 · First large-scale production of high voltage inverter brick for leading Chinese automotive manufacturer Production ramp-up in Tianjin, ...



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### [High Voltage Traction Inverter Application Presentation](#)

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