

# High voltage inverter production





## Overview

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Will a new high-voltage inverter brick be made by a Chinese automaker?

ROHM Semiconductor, in collaboration with German automotive giant Schaeffler, has begun mass production of a next-generation high-voltage inverter brick built with ROHM's silicon carbide (SiC) MOSFET bare chips. The product, developed as part of their strategic partnership, is already slated for integration by a leading Chinese automaker.

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.

Who makes Rohm inverter bricks?

4 September 2025 As part of their strategic partnership (initiated in 2020), Japan's ROHM Co Ltd and Germany-based automotive supplier Schaeffler (formerly Vitesco Technologies) have started mass production of a new high-voltage inverter brick incorporating ROHM's fourth-generation silicon carbide (SiC) MOSFET bare chips.

What is a high efficiency power inverter?

High efficiency power inverters which use a modified sine wave to power 230V mains equipment from a 24V battery • Designed to work with most modern day lorries or marine power systems that run of a 24V alternator • Over 85% efficiency • Soft start minimise.



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### ROHM and Schaeffler Begin Mass Production of SiC-Based High-Voltage

Sep 4, 2025 · ROHM and Schaeffler have started mass production of a new high-voltage inverter brick equipped with ROHM's SiC (silicon carbide) MOSFET bare chips as part of their strategic ...

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### Schaeffler Launches High-Voltage Inverter Bricks at Tianjin ...

Sep 11, 2025 · Schaeffler Produces High-Voltage Inverter Bricks at Tianjin Factory for Leading Chinese Automakers On September 11, 2025, Schaeffler officially commenced production of ...

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### ROHM and Schaeffler Launch Mass ...

Sep 5, 2025 · The Schaeffler inverter subassembly functions as the fundamental power electronics brick that governs the electric drivetrain ...

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### 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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### Schaeffler Starts Volume Production of High ...

Sep 9, 2025 · It is the first large-scale production of a high voltage inverter brick for leading Chinese automotive manufacturer.

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### 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 ...

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### SiC MOSFETs adopted in inverter brick and now in mass production

Sep 5, 2025 · ROHM and Schaeffler have begun mass production of a new high-voltage inverter brick equipped with ROHM's SiC MOSFET bare chips as part of their strategic partnership. ...

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### Schaeffler Advances EV Tech with High Voltage Inverter Brick Production

Schaeffler has started volume production of its high voltage inverter brick, highly efficient, modular inverter enhances EV performance.

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### Schaeffler's high voltage inverter Brick with integrated ...

Sep 4, 2025 · ROHM's 4th-gen SiC MOSFETs enable Schaeffler's high voltage inverter Brick, now in mass production for a major Chinese EV maker. Compact, efficient, and scalable.

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### 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 ...

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### ROHM and Schaeffler Launch Mass Production of SiC-Based High-Voltage

Sep 5, 2025 · The Schaeffler inverter subassembly functions as the fundamental power electronics brick that governs the electric drivetrain through logic-based control signals. ROHM ...

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### ROHM's SiC MOSFETs in mass production in Schaeffler's inverter ...

Sep 4, 2025 · As part of their strategic partnership (initiated in 2020), Japan's ROHM Co Ltd and Germany-based automotive supplier Schaeffler (formerly Vitesco Technologies) have started ...

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### Schaeffler Starts Volume Production of High-Voltage Inverter ...

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