

Development of the Global Third-Generation Semiconductor Industry and Product Strategies of Leading Companies (pre-order)

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Abstracts

Wide-bandgap compound semiconductors, also known as third-generation semiconductor materials, possess excellent characteristics such as high voltage resistance, high-temperature tolerance, and high-frequency operation. In recent years, with the trend toward net-zero emissions, countries around the world have noticed the importance of third-generation semiconductors in reducing power consumption and improving energy efficiency. The advantages of third-generation semiconductors in enhancing energy efficiency have garnered global attention. European, US and Japanese companies are the leaders in the third-generation semiconductor products and applications market, while China and South Korea are emerging in this field. This report provides an overview of the development trends in the third-generation semiconductor industry in Europe, the US, and East Asia - including Japan, Korea, and China - and further explores the deployment strategies of leading companies in this arena worldwide.

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