



MARKET NEWS

Infineon joins hands with Sinexcel to expand the energy storage market and promote the development of green energy

Munich, Germany, and Shenzhen, China – 25 January 2024 – Infineon Technologies AG (FSE: IFX / OTCQX: IFNNY) announced a partnership with Shenzhen based Sinexcel Electric Co., Ltd., a global leader in core power equipment and solutions for the Energy Internet. Infineon will provide Sinexcel with its industry-leading 1200 V CoolSiC™ MOSFET power semiconductor devices in combination with EiceDRIVER™ compact 1200 V single-channel isolated gate drive ICs to further improve the efficiency of energy storage systems.

Driven by the carbon peaking and carbon neutrality strategy and the new energy wave, the domestic energy storage market has maintained sustained and rapid development in recent years. According to the Chinese Ministry of Industry and Information Technology, in the first half of 2023, the newly installed capacity of energy storage reached 8.63 GWh, equivalent to the total installed capacity of previous years. The efficiency and power density of energy storage systems are important factors of product competitiveness, while the size, weight and cost of energy storage systems are closely related to the energy conversion efficiency and directly affect the product cost. Therefore, power semiconductor components play a crucial role.

“The SiC power solution is an important component for future green energy production and storage applications. Infineon’s cooperation with Sinexcel in the field of energy storage inverters enables energy storage systems to achieve advantages such as high efficiency, small size, and light weight, providing a solid guarantee for high-reliability and high-performance energy storage systems,” said Mr. Yu Daihui, Senior Vice President of Infineon Technologies and Head of Green Industrial Power Division in Greater China.

“By using Infineon’s SiC devices, Sinexcel’s energy storage products are obviously more compact and flexible, with significantly higher efficiency and lower losses, which reduces the heat dissipation cost of systems, is conducive to the long-term efficient and stable operation of products, and helps end users improve their operational stability and shorten their return on investment cycle. This greatly improves the system competitiveness of our products and enhances the trust of clients in our energy storage products and the brand awareness of Sinexcel. We hope that in the future, Infineon will further provide high-performance and high-stability components to help enhance the competitiveness of

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Sinexcel's products on the client side," said Mr. Wei Xiaoliang, Deputy General Manager of Sinexcel.

With more than 20 years of product development and application experience in the SiC field, Infineon has been working nonstop to develop more sophisticated SiC products. Due to their high power density, Infineon's 1200 V CoolSiC MOSFETs can reduce losses by 50 percent and provide ~2 percent additional energy without increasing the battery size, which is especially beneficial for high-performance, lightweight and compact energy storage solutions. By using Infineon's 1200 V CoolSiC MOSFETs and EiceDRIVER compact 1200 V single-channel isolated gate drive ICs, Sinexcel's energy storage converters achieve high power density, minimum electromagnetic radiation and interference, high protection performance and high reliability. This allows a system efficiency of up to 98 percent, which is 1 percent higher than that of traditional solutions, reaching the industry-leading level and better meeting the needs of on-grid and off-grid energy storage applications in both domestic and overseas markets.

To learn more about Infineon's charging solutions, please visit www.infineon.com/ev-charging.

To learn more about Infineon's contribution to energy efficiency, please visit www.infineon.com/green-energy.

About Sinexcel

Shenzhen Sinexcel Electric Co., Ltd. is a leading global provider of core power equipment and solutions for the Energy Internet. Founded in 2007, Sinexcel is mainly engaged in five segments: power quality, electric vehicle charging piles, energy storage microgrids, battery formation and testing, and industrial power supply, providing customers with one-stop solutions from new product research and development, manufacturing to sales and service. The company has an industry-leading R&D team with 210+ proprietary technologies, including 40+ invention patents and 70+ utility model patents. It keeps improving product performance and developing ultimate products to meet the changing market needs. Meanwhile, the company has a complete and efficient supply chain system, and provides fast service response. It is also part of the National Innovation Fund Program and the Shenzhen Science and Technology Research and Development Program. For more information about Sinexcel, please visit <https://sinexcel.com>

About Infineon

Infineon Technologies AG is a global semiconductor leader in power systems and IoT. Infineon drives decarbonization and digitalization with its products and solutions. The company has around 58,600 employees worldwide and generated revenue of about €16.3 billion in the 2023 fiscal year (ending 30 September). Infineon is listed on the Frankfurt

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Stock Exchange (ticker symbol: IFX) and in the USA on the OTCQX International over-the-counter market (ticker symbol: IFNNY).

Further information is available at www.infineon.com

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