

PRESS INFORMATION

Bosch Rexroth offers market launch for electrification with eLION in North America

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With a newly developed, single-phase onboard charger, Bosch Rexroth has made its eLION platform fully compatible with the North American charging infrastructure.

The company is introducing its high-voltage solutions for the electrification of mobile working machines to the North American market at the CONEXPO-CON/AGG construction fair. The broad range of motors, inverters, gearboxes, and software also includes a highly effective DC/DC converter.

Developed specifically for global off-highway applications, Rexroth's eLION platform boasts a modular and scalable design. The nominal power range of the motors extends from 20 to 200 kW (with peak power of up to 400 kW) and covers the complete spectrum from compact to heavy-duty working machines. The eLION inverters for up to 300 A continuous current offer high overload capacity while also supporting DC link voltages of 270 to 850 V along with rapid CAN J1939 communication (CAN 2.0).



Basic Information Bosch Rexroth

As one of the world's leading suppliers of drive and control technologies, Bosch Rexroth ensures efficient, powerful and safe movement in machines and systems of any size. The company bundles global application experience in the market segments of Mobile Applications, Machinery Applications and Engineering, and Factory Automation. With its intelligent components, customized system solutions and services, Bosch Rexroth is creating the necessary environment for fully connected applications. Bosch Rexroth offers its customers hydraulics, electric drive and control technology, gear technology and linear motion and assembly technology, including software and interfaces to the Internet of Things. With locations in over 80 countries, more than 31,000 associates generated sales revenue of around 6.2 billion euros in 2021.

Basic Information Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 402,600 associates worldwide (as of December 31, 2021). The company generated sales of 78.7 billion euros in 2021. Its operations are divided into four business sectors: Mobility Solutions,

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Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in some 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. With its more than 400 locations worldwide, the Bosch Group has been carbon neutral since the first quarter of 2020. The basis for the company's future growth is its innovative strength. At 128 locations across the globe, Bosch employs some 76,100 associates in research and development, of which more than 38,000 are software engineers.

Press Contact

Please get in touch with our Press Contact



Mike Thompson

+1 7044309203

Michael.Thompson2@boschrexroth-us.com