

News Release

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30-kilowatt DC power modules **Efficient power for e-mobility and other high-power applications**

Middletown, Pa. – Phoenix Contact has introduced a new category of power supplies for high-power systems, such as e-mobility infrastructure. The modules can be directly mounted in a standard 19-inch cabinet commonly used in EV charging stations. In addition to e-mobility applications, the CHARX AC/DC and DC/DC power modules are suitable for off-highway charging, AC microgrids, high-voltage DC grids, energy storage, and hydrogen electrolysis.

The three-phase input module has a range of 350 to 530 V AC, allowing installation in most locations globally. The DC/DC module has an input range of 300 to 825 V DC for use in numerous DC voltage settings. Both power modules have an output range from 150 to 1,000 V DC.

The DC/DC module has continuous maximum power point tracking (MPPT), which maximizes the output when connected to a solar array. This assists in the most efficient output for the device, with ranging levels of solar radiation, temperature, and PV panel types.

The modules' CAN bus interface makes them easy to integrate into e-mobility applications. They also feature Phoenix Contact's Push-Lock and T-LOX connection technologies for fast installation and maintenance. Learn more at <https://www.phoenixcontact.com/en-us/products/charging-technology-for-e-mobility/dc-power-electronics>.

About Phoenix Contact

In 2023, Phoenix Contact is celebrating 100 years of passion for technology and innovation. Since 1923, Phoenix Contact has worked with customers and partners to develop innovative products and solutions in the fields of energy, infrastructure, process, and factory automation. The German-based company has a worldwide network reaching across more than 100 countries with over 22,000 employees. As a family-owned business, Phoenix Contact acts responsibly today to build a better world for future generations. Phoenix Contact USA has been recognized as a "Best Place to Work in Pennsylvania," a WELCOA Well Workplace Gold Winner, and a four-time recipient of the Governor's Award for Environmental Excellence.

For more information about Phoenix Contact or its products, visit www.phoenixcontact.com, call technical service at 800-322-3225, or email info@phoenixcontact.com.

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