



BorgWarner Supplies Innovative Heater Technology for Premium Electric Vehicle

- *New heater technology enters European market with BMW Group application*
- *Can be used for passenger cabin heating, improving battery energy performance and fast charging speed*
- *Thermal management solution available in power variants from 3 to 10kW*

Auburn Hills, Michigan, February 14, 2022 – As the trend toward electrification is growing, so are the electric vehicle offerings from OEMs in terms of different platforms and scope of performance. To help expand the possibilities, BorgWarner has provided its innovative High-Voltage Coolant Heater (HVCH) for the BMW Group's iX and i4 fully electric architecture. The solution controls the battery's thermal management and cabin heating and contributes to significantly enhancing the driving range and durability of the battery.

“For more than 20 years we have successfully cooperated with the BMW Group, providing them with numerous solutions for combustion-powered vehicles,” said Joe Fadool, President and General Manager, BorgWarner Emissions, Thermal and Turbo Systems. “We are especially pleased to also support their line of premium electric vehicles, contributing to the advancement of future mobility and a cleaner environment.”

Generally available in power variants from 3 to 10kW for operating ranges between 250 and 500V, the HVCH supports OEMs in their vehicle development by providing a solution that features a compact modular design with reduced package size and weight. It has a high thermal power density and – due to its low thermal mass and high efficiency – enables fast response times when heating up. Key components of the HVCH are stainless steel thick film heating elements (TFE), which are housed in solid die-cast aluminum that offers electromagnetic

shielding and resists thermal shock, vibration and mechanical stress. The robustness of the TFE delivers longer product life.

As part of its Charging Forward initiative, BorgWarner is accelerating the company's electrification strategy and has announced plans to grow electric vehicle revenues to approximately 45% by 2030, along with a commitment to achieve carbon neutrality by 2035.

About BorgWarner

BorgWarner Inc. (NYSE: BWA) is a global product leader in delivering innovative and sustainable mobility solutions for the vehicle market. Building on its original equipment expertise, BorgWarner also brings market leading product and service solutions to the global aftermarket. With manufacturing and technical facilities in 96 locations in 22 countries, the company employs approximately 50,000 people worldwide. For more information, please visit borgwarner.com.



The BMW Group's fully electric iX and i4 vehicle are fitted with BorgWarner's High-Voltage Coolant Heater.

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PR contact:

Michelle Collins

Phone: +1 248-754-0449

Email: mediacontact@borgwarner.com