



BorgWarner at EV Japan 2019 in Tokyo: Advanced Solutions for Electric Vehicles

- *Visit BorgWarner at booth E57-48 during EV Japan from January 16 to 18, 2019*
- *Focus on electrification technologies for light and commercial vehicles*
- *BorgWarner displays its integrated module solution for electric mobility, the iDM*

Auburn Hills, Michigan, December 13, 2018 – The recent decision by Japanese automakers and the government of that country to phase out internal combustion engines by 2050 increases the need for alternative propulsion systems. The EV Japan 2019, a leading exhibition for electric (EV) and hybrid electric vehicle (HEV) technologies, is an excellent platform for BorgWarner to showcase its advanced environmentally friendly solutions. The company will display its efficient technologies at booth E57-48 from January 16 to 18, 2019. BorgWarner's on-site portfolio covers both light and commercial vehicles and includes the company's advanced technologies, such as the integrated drive module (iDM), highly efficient P2 hybrid modules and thermal management components such as the company's battery and cabin heater solutions.

"The electrification of propulsion systems is on the rise – not only in Japan, but globally," said Scott Gallett, Vice President, Marketing, Public Relations and Government Affairs, BorgWarner. "During this year's EV Japan, we can demonstrate our extensive know-how and showcase our competitive, efficient products as part of our vision of a cleaner and more energy-efficient world."

One of BorgWarner's exhibition highlights is the iDM: available in three different size versions (iDM XS, iDM S and iDM M), this all-in-one propulsion solution combines integrated power electronics, efficient bar wound stator technology and a powerful transmission system. Visitors can also take a look at BorgWarner's P2 on-axis hybrid module. This easy-to-install technology places the electric motor directly between the internal combustion engine and the

transmission and is able to convert a combustion-powered vehicle into a hybrid vehicle without the necessity of changing the transmission or engine. As thermal management for EVs and HEVs is also a major challenge, BorgWarner is displaying its battery and cabin heater families on site – including the High-Voltage Coolant Heater (HVCH), whose fast response time allows optimal battery and cabin temperature management. The company also offers a number of technologies for commercial vehicle electrification, for example its HVH electric motors. With their series-capable stator winding technology, the HVH electric motors deliver superior performance and an efficiency of more than 95 %.

BorgWarner is also exhibiting its continuously variable transmission (CVT) chains, which offer high torque capacity and the flexibility to provide a wide range of drive ratios alongside high-efficiency performance for improved fuel economy. Also on display: the eBooster® electrically driven compressor, which supports the current 48-volt electrification trend. This technology works independently of the exhaust gas flow, provides improved acceleration time and virtually eliminates turbo lag.

About BorgWarner

BorgWarner Inc. (NYSE: BWA) is a global product leader in clean and efficient technology solutions for combustion, hybrid and electric vehicles. With manufacturing and technical facilities in 66 locations in 18 countries, the company employs approximately 29,000 worldwide. For more information, please visit borgwarner.com.



BorgWarner displays its advanced technologies, such as the P2 hybrid module (left) and the integrated electric drive module (right) at the EV Japan 2019 in Tokyo, Japan.

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