

# News Release



## **BorgWarner To Supply P2 On-axis Hybrid Modules to Two Leading Chinese Automakers**

- *BorgWarner awarded high-volume contracts by two major Chinese OEMs*
- *The compact, cost-effective P2 on-axis module enables both hybrid and pure electric driving*
- *Technology features BorgWarner-developed, award-winning S-wind electric motor, integrated clutching, and hydraulic control modules for optimal performance*

Auburn Hills, Michigan, September 17, 2018 – BorgWarner has been selected to supply its state-of-the-art on-axis P2 drive module and electro-hydraulic control unit for hybrid-electric vehicles to two leading Chinese original equipment manufacturers (OEMs). BorgWarner was chosen as the supplier for these high-volume programs based on the technological advantages their P2 modules deliver including: the cost-effective power dense electric motor; state-of-the-art clutching and controls technology; and the efficiency, functional and packaging optimization of integrating the modules in the vehicle powertrains. This new business award is the result of close collaboration between the company's global research and development centers and strong local Chinese engineering capability. With these two recent awards, BorgWarner will now have content on 18 P2 hybrid transmissions by 2023 serving various global OEMs and spanning multiple vehicle platforms.

“Our in-house development expertise and extensive hybrid product portfolio provides us with the flexibility to offer customers a wide variety of solutions customized to fit their individual needs,” said Frédéric Lissalde, President and CEO, BorgWarner. “Being awarded these high-volume contracts from key Chinese automakers reinforces the company’s position as a global leader in clean and efficient propulsion systems across all types of powertrains.”

By placing the electric motor directly between the internal combustion engine and the transmission, BorgWarner’s on-axis P2 drive module delivers cost-effective hybridization by being

compatible with existing vehicle platforms. The innovative P2 solution offers the possibility of integrating up to three clutches, including a disconnecting clutch, which allows the system to decouple from the engine for pure electric driving, enabling customers to achieve both their individual fuel-efficiency and performance goals. In addition, BorgWarner can supply the electrohydraulic controls for actuating the wet clutches, giving customers the option to choose individual components or a complete system.

BorgWarner's P2 drive module is also available in an off-axis configuration. This design places the electric motor parallel to the main axis and connects the system via one of the company's durable chain technologies, ensuring maximum torque transfer.

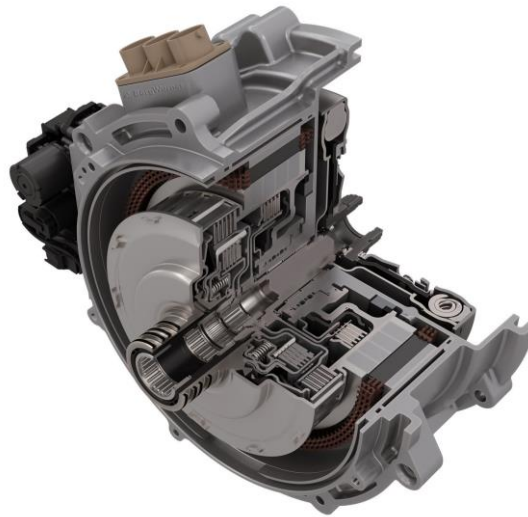
The company's P2 drive modules give OEMs the flexibility to place the electric motor where they have space in existing architectures, either on- or off-axis. By using BorgWarner's award-winning S-wind wire-forming process to create the motor, the P2 drive module produces high power and torque densities in an extremely compact package. In addition, unlike other off-axis P2 solutions that use a belt to attach the system, BorgWarner's off-axis drive module delivers top performance from connecting the P2 via one of its best-in-strength and durability, quiet, chain drive technologies. Moreover, the solution offers stop/start, regenerative braking and supplemental electric propulsion, and is available for 48-volt and high-voltage hybrid systems.

In addition to the P2 drive modules, BorgWarner's extensive product lineup includes solutions for all potential hybrid drive architectures, along with integrated clean and efficient propulsion systems for combustion and electric vehicles. Committed to advancing sustainable mobility, the company continues to work internally and with industry partners to develop next-generation propulsion technologies.

### **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](http://borgwarner.com).

BorgWarner Inc. BorgWarner To Supply Leading Chinese Automakers with Optimized P2 Hybrid  
Module – 2



BorgWarner's P2 on-axis drive module enables both hybrid and pure electric driving

Statements in this press release may contain forward-looking statements as contemplated by the 1995 Private Securities Litigation Reform Act that are based on management's current outlook, expectations, estimates and projections. Words such as "anticipates," "believes," "continues," "could," "designed," "effect," "estimates," "evaluates," "expects," "forecasts," "goal," "initiative," "intends," "outlook," "plans," "potential," "project," "pursue," "seek," "should," "target," "when," "would," variations of such words and similar expressions are intended to identify such forward-looking statements. Forward-looking statements are subject to risks and uncertainties, many of which are difficult to predict and generally beyond our control, that could cause actual results to differ materially from those expressed, projected or implied in or by the forward-looking statements. Such risks and uncertainties include: fluctuations in domestic or foreign vehicle production, the continued use by original equipment manufacturers of outside suppliers, fluctuations in demand for vehicles containing our products, changes in general economic conditions, as well as other risks noted in reports that we file with the Securities and Exchange Commission, including the Risk Factors identified in our most recently filed Annual Report on Form 10-K. We do not undertake any obligation to update or announce publicly any updates to or revision to any of the forward-looking statements.

**PR contact:**

Kathy Graham

Phone: +1 248-754-0550

Email: [kagraham@borgwarner.com](mailto:kagraham@borgwarner.com)