NEWS RELEASE

12V Lithium-ion battery for Advanced Start-Stop vehicles debuts in China

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SHANGHAI, April 19, 2015 – For the first time in China, Johnson Controls is unveiling its Lithium-ion automotive battery for Advanced Start-Stop vehicles. The new technology, which can increase fuel efficiency by up to 8 percent, can be seen at the 16th Shanghai International Automobile Industry Exhibition (Auto Shanghai 2015).

“As the global leader in automotive batteries, we want to bring evolutionary, low-voltage energy storage systems to China to help our customers meet increasing environmental regulations at a lower cost than hybrid or electric vehicles,” said Lisa Bahash, group vice president and general manager Original Equipment, Johnson Controls Power Solutions.

An Advanced Start-Stop system has two batteries. First, a 12-volt Absorbent Glass Mat (AGM) or Enhanced Flooded Battery (EFB), which will start the engine and supply power to accessories such as lights, navigation systems and radios. Second, a 12-volt Lithium-ion battery, which uses a proprietary Titanate chemistry, will primarily accept and store regenerative braking energy during vehicle deceleration, enabling greater power and load management capabilities.

In collaboration with Toshiba, the technology used in the 12-volt Lithium-ion battery is effective at quickly recharging, works well in a wide range of temperatures and can be easily integrated into a vehicle’s 12-volt electrical system.

“With an Advanced Start-Stop system, drivers can save up to 8 percent every time they fill up their gas tank as the batteries enable the engine to shut off more frequently and for longer periods of time,” said Bahash. “This is a great solution for our customers because the technology allows for greater fuel savings without major changes to the existing powertrain and electrical systems.”

In China, passenger vehicles need to achieve a fuel consumption target of 5 liters per 100 km in 2020, versus 6.9 liters per 100 km in 2015, which is a 27 percent improvement.

“Johnson Controls is committed to bringing advanced technologies, capacity and technical capabilities to China to support the needs of our customers,” said Kenneth Yeng, vice president and general manager, China, Johnson Controls Power Solutions. “The new 12-volt Lithium-ion product expands Johnson Controls’ portfolio of lead-acid and Lithium-ion batteries.”

The Advanced Start-Stop battery, which made a global debut at the North American International Auto Show in January, will be produced starting as early as 2018.

For more information, please visit our website. Images are available in our online media center.

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About Johnson Controls

Johnson Controls is a global diversified technology and industrial leader serving customers in more than 150 countries. The company’s 170,000 employees create quality products, services and solutions to optimize energy and operational efficiencies of buildings; lead-acid automotive batteries and advanced batteries for hybrid and electric vehicles; and interior systems for automobiles. Johnson Controls’ commitment to sustainability dates back to its roots in 1885, with the invention of the first electric room thermostat. Through its growth strategies and by increasing market share, Johnson Controls is committed to delivering value to shareholders and making its customers successful. In 2014, Corporate Responsibility Magazine recognized Johnson Controls as the #12 company in its annual “100 Best Corporate Citizens” list. For additional information, please visit http://www.johnsoncontrols.com or follow @johnsoncontrols on Twitter.

About Power Solutions

Johnson Controls Power Solutions is the world’s largest manufacturer of automotive batteries, supplying approximately 140 million every year to automakers and aftermarket retailers. The company’s full range of lead acid and Lithium-ion battery technology powers nearly every type of vehicle for our customers- including conventional, Start-Stop, Advanced Start-Stop, Micro Hybrid, hybrid and electric. Johnson Controls' recycling system has helped make automotive batteries the most recycled consumer product in the world. Globally, 15,000 employees develop, manufacture, distribute and recycle batteries at more than 50 locations. For more information, please visit http://www.JohnsonControls.com/PowerSolutions or follow @JCI_BatteryBeat on Twitter.