

BorgWarner stärkt Zusammenarbeit mit Great Wall Motor bei Dual Invertern

- *Zwei neue Aufträge für Dual Inverter von Great Wall Motor erhalten*
- *Dual Inverter zeichnen sich durch hochintegriertes Design aus*
- *Flexible Architektur unterstützt vielfältige Hybrid-Anwendungen*

Auburn Hills, Michigan, 18. November 2025 – BorgWarner stärkt die Zusammenarbeit mit Great Wall Motor im Bereich elektrifizierter Antriebe. Aufbauend auf zwei bereits angekündigten Dual Inverter-Programmen hat BorgWarner zwei weitere Aufträge von dem Automobilhersteller erhalten. Der Serienstart soll 2026 erfolgen.

„Great Wall Motor setzt erneut auf die technische Kompetenz von BorgWarner im Bereich Elektrifizierung sowie auf unsere Dual Inverter-Produkte“, sagt Dr. Stefan Demmerle, Vice President of BorgWarner Inc. and President and General Manager, PowerDrive Systems. „Die erneute Kooperation zeigt nicht nur, dass unsere Produkte und Technologien geschätzt werden, sondern bestätigt auch unser großes Engagement für die New-Energy-Strategien unserer Kunden. Wir arbeiten intensiv daran, ihr Portfolio an elektrifizierten Fahrzeugen weiterzuentwickeln.“

Der Dual Inverter von BorgWarner setzt auf ein hochintegriertes Design und ermöglicht die synchrone Ansteuerung als auch den Antrieb zweier E-Motoren über einen einzigen Controller. Dies erhöht die Packaging-Flexibilität und vereinfacht den Einbau erheblich. Dank eigenständiger Packaging-Technologie kann BorgWarner unterschiedliche Powermodule in einer kompakten Struktur konfigurieren und so Gewicht und Kosten deutlich reduzieren.

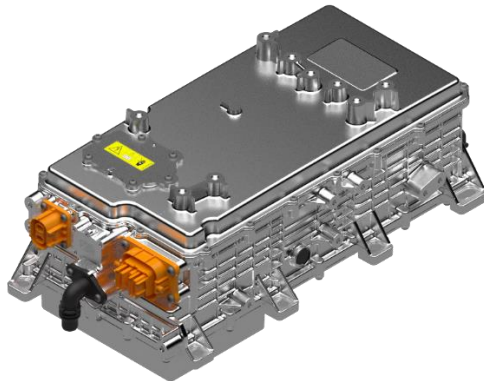
Die durchdachte Konstruktion des Powermoduls zeigt sich zudem in der beidseitigen Kühlung sowie an der neuesten Generation des Viper-Leistungsschalters. Gegenüber Modulen mit einseitiger Kühlung sinkt der thermische Widerstand um bis zu 50 Prozent, gleichzeitig steigt die Leistungsdichte deutlich. Zusätzlich erlaubt die Technologie die Bestückung mit verschiedenen großen Halbleiter-Chips innerhalb gleich großer Module und unterstützt damit die Einhaltung der zunehmend strengen CLTC-Effizienzanforderungen (China light-duty vehicle test cycle). Die

adaptive Batteriestrom-/Spannungsregelung erweitert den Konstantleistungs- und Hochwirkungsgradbereich des Motors erheblich und steigert damit die Systemeffizienz.

Der Dual Inverter verfügt darüber hinaus über ein plattformbasiertes Design und ist damit mit einem breiten Spektrum von Hybrid-Fahrzeuganwendungen kompatibel. Von den zwei neu vergebenen Projekten umfasst der Dual Inverter für Hybridfahrzeuge (HEV) zusätzlich einen DC/DC-Wandler und optional ein Boost-Modul, während beim Modul für Plug-in Hybride (PHEV) sowohl Boost-Modul als auch DC/DC-Wandler entfallen. Dieser hochflexible, modulare Ansatz beschleunigt die kontinuierliche Produktoptimierung und reduziert Entwicklungs- und Designkosten deutlich.

Über BorgWarner

BorgWarner bringt als globaler Produktführer seit mehr als 130 Jahren erfolgreich Mobilitätsinnovationen auf den Markt. Mit unserem Fokus auf Nachhaltigkeit tragen wir dazu bei, eine saubere, gesunde und sichere Zukunft zu schaffen.



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