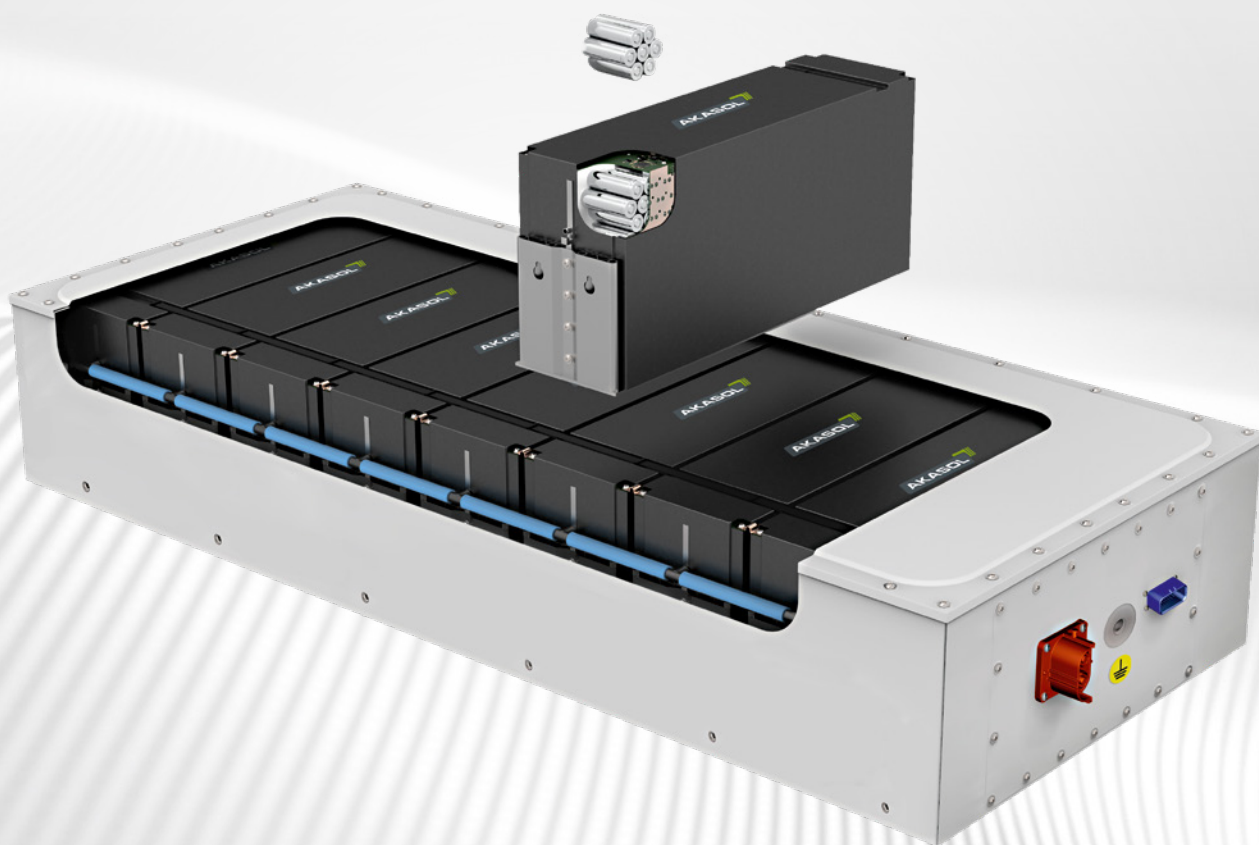


Explore our Technologies

AKASystem 9 AKM 150 CYC

from BorgWarner



AKASystem 9 AKM 150 CYC from BorgWarner

The modular battery systems of BorgWarner's Akasol brand

offer remarkable flexibility, scalability and safety as well as very high economic efficiency.

Features

- Li-Ion NMC Technology
- Tested safety (e. g., ECE R10, UN 38.3, ECE R100) and “real world” experience
- Protection classes IP67, IP6K9K
- Marine certifications (e. g., DNV, ISO 62619 / 62620)
- Serial production, IATF 16949 compliant
- 21700 standard battery cells
- Includes robust and proven control unit (BMU) with redundant safety system (SCU)
- Multi-level short circuit protection on system level
- Voltage and temperature monitoring
- SOC / SOH analysis



System Benefits

- Ultra high energy system and high energy density
- Maintenance-free operation
- Excellent price-performance ratio
- High cycle life
- Active and passive thermal management
- Easy system connectivity
- Liquid cooling
- Energy-efficient cell balancing
- Robust stainless steel battery case
- Suitable for multi-string systems
- Designed especially for long-range applications

Technical Data

Energy (nominal) *	98 kWh
Nominal Voltage	665 V
Cycle life (for typical usage profile)	4,000 cycles
Discharging Power **	100 kW
Charging Power **	80 kW
Weight ***	~ 554 kg
Dimension (l x w x h) in mm	1,720 x 700 x 300

*Nominal energy and capacity of the battery system, based on the data-sheet of the cell supplier at 0.2C charge rate and room temperature. This energy content is underlying natural degression because of unavoidable chemical processes, including calendric and cyclic aging of the cells.

** Depending on cable, connector, SOC, temperature and internal fuse type.

*** Depending on housing material.



Find out more about our
High-Performance Battery
Systems here!

borgwarner.com

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