



Explore our Technologies

# AC Motor Controller (Gen 5 Size 9)

for Electric Vehicles

BORGWARNER

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The **AC Motor Controller Gen5-S9** 400 V is a component of the Gen5 range of motor controllers, which utilize a highly-flexible control logic architecture to deliver a unique feature-rich set of functions and is well-matched to satisfy automotive, commercial and construction markets' electrification needs. The AC Motor Controller Gen5-S9 400 V is a High Voltage High Power (HVHP) controller specifically aimed at vehicle OEMs and system integrators to offer them a compact, lightweight, robust and cost effective, class leading suite of solutions covering traction, hybridization, power generation and sub-system electrification.

## Features

- Liquid Cooled
- Operating voltage range 128 VDC-450 VDC
- 80.5 kW continuous
- CAN Interface
- Built in over-current, over-temperature protection
- EMC to UNECE R10
- Dimensions: 394mm x 285mm x 90mm
- Weight: 6 kg
- IP6K9K, IP67 enclosure

## System Benefits

- Compatibility with the wide range of induction and permanent magnet motors, including IPM
- CustomCode - Implement your own IP or customize I/O and CAN functionality
- Adjustable coolant fittings
- Full set of analog and digital I/O

