

PROPULSION AND POWER SYSTEMS FOR AUTONOMOUS GROUND VEHICLES

EASY TO INTEGRATE, FAST TO SCALE, SOFTWARE ENABLED

Integrated propulsion and connected diagnostics for Uncrewed Ground Vehicles (UGVs) - engineered to improve endurance, simplify development and maximize operational run time.



MORE ENDURANCE

90%+ system efficiency makes better use of available battery energy, increasing endurance.



EASIER INTEGRATION

Motor, controller and diagnostics are engineered as one compact drive solution.



GREATER CONTROL

ePConnect™ provides real-time monitoring, diagnostics and maintenance insight.

INTEGRATED ELECTRIC PROPULSION FOR WHEELED AND TRACKED UNCREWED PLATFORMS

ePropelled's Rhino Series combines high-performance motors, integrated power management and ePConnect™ diagnostics in a compact architecture. The result: precise torque and speed control, reduced wiring and engineering effort, and rugged operational performance in the field.



GPM35 COMPACT & EFFICIENT	GPM50 MORE POWER	GPM70 MAXIMUM TORQUE
For lightweight UGVs, AMRs, inspection robots and compact mobility platforms. • 8 kW Peak power • 35 Nm torque • 13.5 kg • 48 V • 7500 RPM • CAN 2.0A communication • IP67 protection • Forced Air cooling • ePConnect™ monitoring	For medium-duty UGVs, logistics vehicles and platforms carrying heavier payloads. • 11 kW Peak power • 52 Nm torque • 14.5 kg • 48 V • 7500 RPM • CAN 2.0A communication • IP67 protection • Forced Air cooling • ePConnect™ monitoring	For heavy-duty UGVs, tactical platforms, cargo transport and demanding terrain. • 16 kW Peak power • 70 Nm torque • 18 kg • 48 V • 7500 RPM • CAN 2.0A communication • IP67 protection • Forced Air cooling • ePConnect™ monitoring
		

DESIGNED FOR OEMs



FASTER DEVELOPMENT

Integrated motor, inverter, encoder and intelligent motor control spanning light to heavy-duty UGVs and multiple duty cycles.



OPERATIONAL CONFIDENCE

IP67-rated systems, tested communications protocols, and thermal performance support dependable operation.



A SCALABLE PLATFORM

TRL9 Integrated architecture reduces wiring, design complexity and integration effort to scale faster.

BUILT FOR THE PLATFORM, NOT JUST THE MOTOR

The Rhino Series combines efficient propulsion and available energy to give OEMs a scalable route to higher mobility, longer endurance and simpler system integration.



DESIGNED FOR DEMANDING APPLICATIONS

All Rhino Series UGV propulsion solutions are available as a compact integrated unit or, for applications requiring greater installation flexibility, with independent motor and controller assemblies allowing designers to package propulsion components wherever space, cooling or environmental requirements demand.



DEFENSE & SECURITY

ISR, reconnaissance, perimeter patrol and tactical UGVs.



LOGISTICS

Autonomous resupply, cargo transport and warehousing.



INDUSTRIAL

Inspection, material handling, utility, mining and construction.



AGRICULTURE

Seeding, weeding, irrigation, spraying and transport.

BUILD MORE CAPABILITY INTO YOUR NEXT GROUND PLATFORM

Talk to ePropelled about the right propulsion and power architecture for your vehicle.

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Certifications

ISO 9001

ISO 27001