

VTOL & Drone Electric Powertrains

High-speed electric motors for VTOL and drone aircraft, integrated with lithium battery and advanced electronic control unit (ECU). Customization services adapt the powertrain to specific customer requirements — payload, endurance and airframe constraints.

System overview

Element	Description
Motor	High-speed electric motor, high efficiency with advanced cooling
Battery	Lithium packs with high energy density, fast charging and safety
Control	Advanced electronic control unit (ECU)
Customization	Adapted to specific customer needs and requirements

Market context

- ◆ Commercial drone market: US\$24.5 B (2024) → US\$67.64 B (2029), 13.9 % CAGR
- ◆ Applications: logistics, agricultural monitoring, security & disaster management, filmmaking

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One-stop power solution: cell selection & grading, custom circuit & structural design, module & pack assembly, BMS integration, charger & connector accessories. Battery packs with non-Chinese components and cells (Japan / Korea / Malaysia cells, electronics assembled in Poland) available for supply-chain-sensitive projects.
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