



UAV Power Motors

Elevate Your Flight Experience. Power Beyond Limits!

Nano Series

Precision for Pocket-sized Power

Stator Size Range	Typical Drone Class	Key Applications
0805-1404	Mini/Micro Drones (<1kg)	Cost effective entry-level motors for micro drones and hobbyists

Item No.	KV	Li-Po	Max Current (A)	Continuous Current(A)	Max RPM	Weight (g)	Propeller Recommendation	Typical Takeoff Weight	Max Thrust
BL0805	15000	1S	4.5	1.5	34500	3.8	2"	20g per Rotor	70 g
BL1105	4800	2S	4	2	25000	6	3"	65g per Rotor	125 g
BL1106	4800	2S	4	2	25000	7	3"	65g per Rotor	118g
BL1206	5300	2S	9	3	28000	8.1	3.5"	100g per Rotor	225 g
BL1404	4600	2S	5.2	3	17200	8	4.7"	120g per Rotor	250 g

Enterprise Series

High Performance for Longer Mission Time or Heavier Payload

Stator Size Range	Typical Drone Class	Key Applications
2408-5006	Lightweight to Mid-range Drones (<15kg)	Balanced performance for racing, FPV, Photography, Surveillance, Mid-size delivery

Item No.	KV	Li-Po	Max Current (A)	Continuous Current(A)	Max RPM	Weight (g)	Propeller Recommendation	Typical Takeoff Weight	Max Thrust
BL2408	1000	6S	15	8	17000	36	5"	0.5 kg per Rotor	0.8 kg
BL2808	685	4S	12.7	3	14000	70	11.8x5"	6 kg (Fixed Wing)	1.05kg
BL2414	900	6S	28	10	7160	57	7"	0.425 kg per Rotor	1.25kg
BL3212	930	6S	39	20	15200	101	8"-10"	1 kg per Rotor (Fixed Wing)	1.6kg
BL4006	430	6S	10	3.5	7800	68	12x6"	0.75 kg per Rotor	1.5 kg
BL4808	335	6S	24	5	5300	139	16.7x8.2"	1.25 kg per Rotor	3 kg
BL5006	550	6S	39	20	7650	101	8"-10"	1.5 kg per Rotor	3.5 kg

Heavy Lift Series

Unmatched Thrust and Durability

Stator Size Range	Typical Drone Class	Key Applications
6009-10015	Heavy Drones (15-40kg)	High-reliability, industrial grade motors for heavy lift drones, Large-scale logistics, Disaster-relief Drones.

Item No.	KV	Li-Po	Max Current (A)	Continuous Current(A)	Max RPM	Weight (g)	Propeller Recommendation	Typical Takeoff Weight	Max Thrust
BL6009	150	12S	20	6.5	5630	245	21"~23"	2.5 kg per Rotor	5 kg
BL6508	130	12S	18	7	4500	266	23x9"	2.8kg per Rotor	5.4kg
BL8708	4600	12S	5.2	9	3660	333	28x12"	4kg per Rotor	9.8kg
BL8710	110	12S	40	10.5	3600	360	30x12.2"	4.5 kg per Rotor	12 kg
BL10015	100	12S	48	16.2	3600	731	32x12.7"	5kg per Rotor	14kg

Combo Series

All in one. Less Is More

Stator Size Range	Typical Drone Class	Key Applications
4006-8710	Mid-range to Heavy-lift Drones	Arm set with integrated Propulsion System, engineered for superb cost performance

Modularized propulsion system Patent pending Field Orientated Control (FOC) algorithms by default (BLDC available for custom options) Proprietary Quick Release Propeller Design High Strength Carbon Fiber material for the arms.	Item No.	Li-Po	FOC ESC	Propeller Recommendation	Carbon Fiber tube	Max Thrust
	4006	6S	20A	12" CF	16mm - 20mm	1.5 kg
	8710	12S	50A	32" Foldable	30mm - 35mm	10 kg



Gimbal Motors

Precision in Every Motion.

Precise. Responsive. Robust
Up to 120 deg/s rotation speed, >2000 deg/s^2 angular acceleration while still able to maintain angle prevision of 0.01 degree
Integration of digital encoder or hall effect sensor per use case.

Motor	KV	Shaft Diameter	Hole size	Voltage	Max. RPM	Max. Torque (mNm)	Weight (with cable)
GM1502	3360	/	/	12V	100	10	4.5
GM2904	186	7	5	12V	244	52	36
GM3204	144	8	6	12V	181	69	45
GM3906	107	9	6.5	12V	165	138	70



Accelerating Drone & Robotics Innovation

Empowering your products with NDAA-compliant propulsion, advanced ground control stations, and precision AI payload systems — ready to rapidly scale your solutions.

Faster Time-to-Market | 100% NDAA Compliant | Effortless Scaling

Let's get started
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