HZ MOTOR

EXTREME POWER DENSITY

Elevate Efficiency For UAV Drone Drive Solution

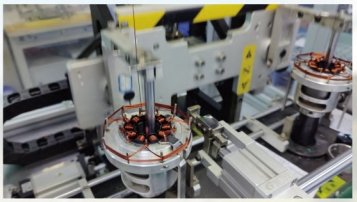
Customization Supported
Zhuhai · China

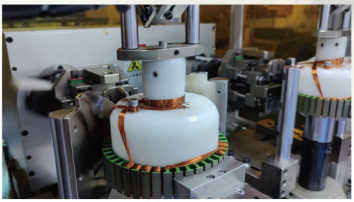
HZ MOTOR

Company Profile

Zhuhai Huazhou Intelligent Motor Technology Co., Ltd. is invested and established by Shenzhen Wandekang Group at the end of 2021. Our marketing center locates in Zhuhai, China. We design and manufacture BLDC motor at our ISO 9001-certified facility in Zhongshan.

We specialize in low-energy, high-precision, fully intelligent brushless DC motor and servo control system. Our industrial grade motors are capable of achieving 200kg thrust for large lifting UAV drones. We serve multiple industries, including FPV drones, unmanned ships, automotive, robotics, precision agriculture, intelligent automation equipment, medical equipment, and smart home, etc.





FPV Motor

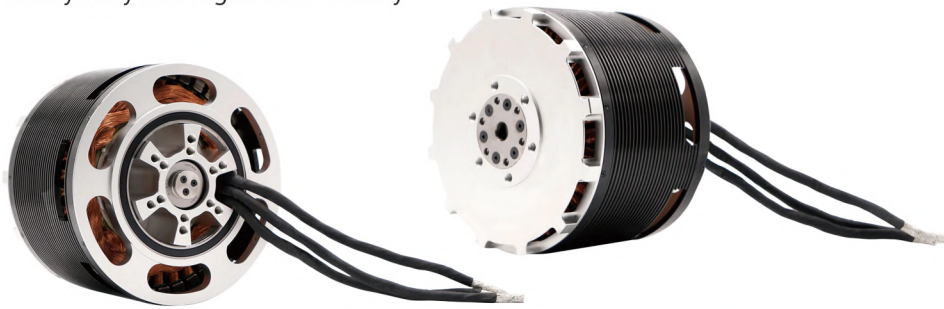
High Efficiency and Strong Performance

	2807 Motor	2810 Motor	2812 Motor
	1300KV	900kV/1280KV/1460KV	900KV
LiPo Cells（LiPo)	3-6S	6S	6S
Maximum Continuous Current	37A	55A	50A
Maximum Continuous Power	1344W/6S	1320W/6S	1050W/6S
Motor Weight Including Cables	59g	69g	89g
Motor Size	Φ34x37.5mm	Φ34x42.5mm	Φ34x36.7mm
Configuration	12N14P	12N14P	12N14P
Wire Length	200mm	200mm	200mm
Propeller	7043	7043	7 - 10 inch
Recommended ESC	6S 60A	6S 60A	6S 60A

	3112 Motor	3115 Motor	4214 Motor
	1300KV	900KV	400KV
LiPo Cells（LiPo)	6S	6S	8S
Maximum Continuous Current	60A	59A	41A
Maximum Continuous Power	1344W/6S	1410W/6S	1312W/8S
Motor Weight Including Cables	89g	113g	195g
Motor Size	Φ37.1x42.5mm	Φ37.1x45.5mm	Φ51.2x49mm
Configuration	12N14P	12N14P	12N14P
Wire Length	200mm	200mm	80mm
Propeller	10 inch	1045-3R	1308
Recommended ESC	6S 60A	6S 60A	8S 50A

HEAVY LIFTING DRONE MOTOR

Heavy Load, Highly Reliable
Heavy-duty and High Power Density



	9620 Motor	14516 Motor	14526 Motor	15623 Motor
KV	110KV	56KV	68KV	45KV
LiPo Cells（LiPo)	12 - 14S	12 - 16S	12 - 16S	18S
Maximum Current	150A	200A	380A	300A
Maximum Thrust	22kg	35kg	60kg	72kg
Recommended Thrust	11kg	17.5kg	30kg	37.5kg
Efficiency of Recommended Takeoff Weight	8.1-7.4g/W	8-7.4g/W	8.1-7.6g/W	8.2-7.6g/W
Motor Weight Including Cables	1300g	1640g	2200g	3000g
Recommened Propeller	36 inch	56 inch	63 inch	63 inch

MODULAR PROPULSION SYSTEM

Technological Innovations
for Optimal Performance

Ready-to-use

Efficient Cooling

Strengthened key parts

IPX6 Water-proof

	PowerBloc
Product Name	15623-45KV
Maximum Thrust	72kg
Recommended Takeoff Weight	32.5 - 37.5kg
Efficiency of Recommended Takeoff Weight	7.6g/ W
Recommended Battery	18S
Throttle pulse width	1050-1950μs (Solidified)
Maximum Power	13600W
Rated Input Power	5000W
Rated Output Power	4400W
Recommed Propeller	63" × 24"
Powertrain Arm Tube Outer Diameter	60mm

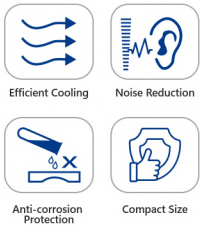
INDUSTRY GRADE MOTOR

High-Precision,
Lightweight, and Low Noise

	Robot Motor	Radar Motor	Hub Motor	Pump Motor
	2823	3515	8020	8020
KV	525	126	50	71
No-load Current	0.6A	0.1A	0.57A	0.5A
Weight of Motor	145g	148g	815g	803g
Motor Internal Resistance	63.9mΩ	0.97mΩ	166mΩ	83.2mΩ
Length of Outgoing Lines	27mm	69/57/49mm	70mm	100mm

UNDERWATER THRUSTER

Compact Yet Powerful



	QS30
KV	320
Dimensions	Ø100 × 108mm
Forward Thrust	6.7kgf - 7.7kgf
Backward Thrust	5.0kgf - 5.8kgf
Rated Power	480W
Rated Current	22A
No-load Current	0.5A
No-load Rational Speed	3200rpm
Weight in Air	420g
Weight in Water	200g
Maximun Depth	200m
Battery (Lipo) Recommended	6S

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