8X08-II 100KV M8 Drone Arm Set Brushless Motor

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: GS
- Model Number: 8X08-II 100KV M8
- Price: Negotiable
- Delivery Time: 6-8
- Payment Terms: T/T
- Supply Ability: 100

Product Specification

- Max Thrust: 12794g /rotor @48v(sea Level)
- Recommend Take-off Weight: 4000-6000/rotor@48vsea Level)
- Recommend Voltage: 12S Lipo
- Operating Temperature: -20~60℃
- Compatible Carbon Tube: 30mm((can Be Tumed 25mm))
- Unit Weight: 83g/pc
- Stator Size: 81x8mm
- Max Input Voltage: 60.9V
- Highlight: **8X08-II M8 drone arm set**, **brushless motor M8 drone arm set**, **100KV M8 drone arm set**

More Images

Our Product Introduction

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Product Description

8X08-II 100KV M8 drone arm set brushless motor

8x08-lis an upper and lower coaxial structure power system. it is a specially developed power system for a multi rotor UAV witha single axle load of 4000-6000g. it focuses on optimizing its force efhciency, safety and endurance under extreme conditions. Itis suitable for a multi rotor aircraft with a carbon tube diameter of 30mm(can be tured 25mm). The 8x08-l power sleeve adoptsan integrated power assembly, integrates a high-eficiency brushless motor, cooperates with the 28 inch propeller made ofspecial carbon fber composite materials and the intelligent electric regulator driven by 60A FOC sine, creating more possiblitiesfor professional aerial photography, surveying and mapping inspection and other felds pursuing excellence. Break through
imagination and release inspiration

4-6kgF/rotor Max thrust:12.7kgF/rotor,
Neat Cable arrangement and easy to install.
Ultralight weight for industrial multirotor: mapping,aerial,inspection,firefighting,military,search and rescue,and more.
Field-Oriented control.

High efficiency disc motor

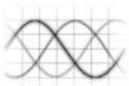
The new generation M8C08 adopts a brand-new iron core design, which has been simulated and tested by engineers for months. The optimal scheme is obtained after repeated comparison and testing among various parameters of the iron core. The lightweight iron core design produces greater tension and high efficiency. The product is of precise workmanship, with EZO bearings imported from Japan and unique assembly technology, making axial and radial clearance free. So that each aircraft can fly continuously and stably.

4-6KG

rotor @48v(sea level)

Intelligent sine wave electric modulation

8X08-II is equipped with 60A FOC intelligent electric regulator, which has a series of early warning and protection functions such as over-voltage, over-current, over temperature, locked rotor, short circuit and motor disconnection, and can respond intelligently according to the aircraft operation status to ensure safety. The optimized control algorithm and circuit design make the power system have the ability of fast throttle response and the stability of operation in harsh environment. Combined with the hardware failure mode, a comprehensive hardware power on self-test program is customized to effectively detect the potential faults of the hardware system and improve the overall stability and safety.



Sine wave driving mode

Highlight led heading light

The 8X08-II power pack has a red / green LED heading light at the bottom, so there is no need to add additional color lights for multi rotor aircraft. Bring more reassuring override experience to your professional flight.

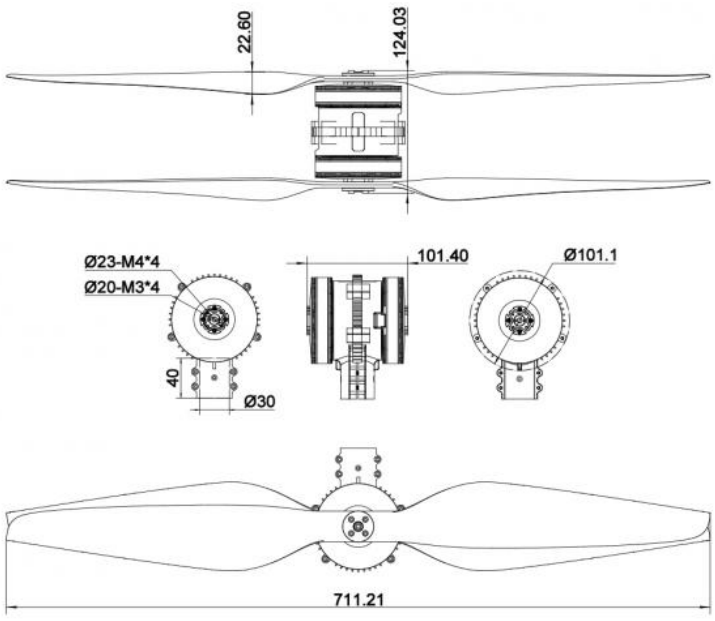
High quality carbon fiber propeller

Fluxer 28x9.2 Pro high quality / ultra light carbon fiber propeller, unique mirror light treatment process. Imported carbon fiber cloth and propeller core lightening technology are adopted. It can increase the flight time under the same load. Its perfect dynamic balance and almost zero vibration are loved by consumers. It is designed by aerodynamics to greatly improve its capacity loss, noise, impact resistance and flight. Combined with the magnetic circuit design of 8X08-ii brushless motor, the power system has more advantages in tension and efficiency.

FLUXER 28*9.2

Can be customized to match other blades of mad

PRODUCT DRAWING



PARAMETER

		8X08-II KV100
Basic Parameter	Max Thrust	12794g /rotor @48v(sea level)
	Recommend Take-off Weight	4000-6000/rotor @48v(sea level)
	Recommend voltage	12S Lipo
	Operating Temperature	-20-60℃
	Unit Combo Weight	1131g(matching 28X9.2 blades)
	Extension Wire Length	1300mm/1300mm ((input line/signal line))
	Compatible Carbon Tube	30mm((can be turned 25mm))
PROPELLER	Diameter / pitch	28x9.2inch(711x233.6mm)
	Unit Weight	83g/pc
Motors	Stator Size	81x8mm
	Unit Weight	280g
FOC ESC	Model Name	Circular 60A FOC
	Max Input Voltage	60.9V
	Max Input Current	30A
	Max Peak Current	120A (10S)
	Max Throtle Signal Frequency	50-450Hz
	Recommend Voltage	12S

MAD 8X08-II 100KV **FLUXER** PRO 28x9.2 in **Circular** FOC 60A (6-14S) TOP **12S** MAX 84℃

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	48.18	0.93	44.8	31.5	0.264	1140	723	70.3	16.1
35	48.11	1.47	70.7	52.7	0.371	1356	1051	74.5	14.9
40	48.01	2.19	105.1	79.7	0.485	1569	1413	75.8	13.4
45	47.87	3.01	144.1	114.1	0.617	1766	1806	79.2	12.5
50	47.65	4.11	195.8	156.5	0.762	1961	2237	79.9	11.4
55	47.25	5.38	254.2	209.0	0.927	2153	2784	82.2	11.0
60	47.17	6.83	322.2	266.9	1.092	2334	3297	82.8	10.2
65	47	8.59	403.7	331.1	1.260	2509	3814	82	9.4
70	46.9	10.56	495.3	405.4	1.443	2683	4375	81.8	8.8
75	46.74	13.05	610.0	495.2	1.658	2852	5003	81.2	8.2
80	46.53	15.13	704.0	572.2	1.814	3012	5521	81.3	7.8
85	46.35	17.72	821.3	663.6	1.999	3170	6085	80.8	7.4
90	46.06	21.39	985.2	781.1	2.242	3327	6731	79.3	6.8
95	45.74	24.78	1133.4	885.3	2.432	3476	7211	78.1	6.4
100	45.45	28.64	1301.7	992.5	2.629	3605	7877	76.2	6.1

MAD 8X08-II 100KV **FLUXER** PRO 28x9.2 in **Circular** FOC 60A (6-14S) BOTTOM **12S** MAX 76℃

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	48.09	0.84	40.4	27.7	0.233	1136	523	68.61	12.9
35	48.02	1.3	62.4	46.0	0.325	1350	740	73.6	11.9
40	47.92	1.93	92.5	70.5	0.433	1554	1002	76.18	10.8
45	47.79	2.61	124.7	97.9	0.534	1751	1231	78.51	9.9
50	47.56	3.47	165.0	133.1	0.652	1949	1489	80.63	9.0
55	47.14	4.63	218.3	178.2	0.792	2148	1829	81.62	8.4
60	47.09	5.78	272.2	223.0	0.915	2327	2106	81.92	7.7
65	46.94	7.07	331.9	272.5	1.040	2502	2380	82.11	7.2
70	46.84	8.7	407.5	335.7	1.198	2676	2801	82.38	6.9
75	46.68	10.16	474.3	392.8	1.319	2844	3053	82.83	6.4
80	46.49	12.43	577.9	476.1	1.513	3005	3469	82.39	6.0
85	46.32	14.57	674.9	557.6	1.684	3162	3898	82.62	5.8
90	46.06	16.49	759.5	626.1	1.804	3314	4033	82.43	5.3
95	45.72	19.77	903.9	736.5	2.028	3468	4601	81.48	5.1
100	45.47	22.32	1014.9	813.3	2.155	3604	4917	80.14	4.8

Trouble Shooting

You can instantly tell the ESC's status by observing the LED indicator and emitted sounds.

LED Indicator/Sound	Cause Collection	Solution
The motor does not turn after the aircraft is unlocked, but only after the throttle is raised.	Flight control or remote control output unlocked idle throttle value less than 1100uS.	Set the idle throttle value of the flight control or remote control to be greater than 1100uS. 1160uS~1180uS is recommended
When the plane is powered on, connect the remote control and the motor turns	The remote control is set to lock the throttle over 1100uS, or close to 1100uS	The remote control needs to set the lock throttle less than or equal to 1050uS.
When the power-on self-test fails, the motor "beeps" every 1.5 seconds, and the indicator light flashes yellow briefly.	The throttle PWM signal is missing or the identification throttle PWM range is incorrect	Ensure that the throttle signal cable is properly connected, and check whether the signal cable is damaged.
When the power-on self-test fails, the motor "beeps" every 0.5 seconds, and the indicator light flashes yellow briefly.	Detects high throttle when get power and enters protected state	Make sure that the electric self-test passes before lifting the throttle.
The motor does not sound. The indicator light flashes yellow 4 times every 1.5 seconds: "short - short - short-long".	If the power-on self-test fails, the motor line loop may be disconnected.	Open the ESC cover and check whether the three motor wires are well welded.
The motor does not sound. The indicator light flashes yellow 4 times every 1.5 seconds: "long - short - long-short".	The power-on self-test fails, and the power supply voltage is abnormal	Check whether the battery voltage is normal. Check whether the power cable is properly connected
The motor does not sound. The indicator light flashes yellow 4 times every 1.5 seconds: other flashing methods.	The power-on self-test fails, and the electrical hardware is abnormal.	Record the LED flashing mode video, contact MAD after-sales service;Replace the ESC and test again.
The power-on self-test is normal, the motor does not turn after unlocking, and the indicator light is yellow for 0.5 seconds -- the motor does not sound when the indicator light is off for 0.5 seconds.	Motor startup failure, blocking protection occurred during startup	Power on and off again and restart the power supply. If it reappears, check whether the motor is damaged.
The power-on self-test is normal, the motor does not turn during operation, indicator light: 0.5 seconds yellow light -- 0.5 seconds off, the motor does not sound	The motor is blocked and entered the protection state.	Check whether the machine is blocked because of blasting, check whether the motor is smooth by hand.
The power-on self-test is normal, the motor does not start or stops midway, indicator light: 1 second yellow light -- 1 second off, the motor does not sound	Short circuit or overcurrent protection occurs, and the device enters the protection state.	Disassemble the electric adjusting cover and check whether the motor line is damaged and whether the copper terminal of the motor line is loose.
The indicator light flashes alternately red and green during operation.	The PWM throttle signal is missing.	Make an emergency landing and check whether the PWM signal line is well connected and whether the signal line is damaged halfway.
The indicator light flashes yellow every 0.2 seconds during operation.	The power-on self-test fails, and the electrical hardware is abnormal.	After the aircraft lands and stops, check whether the temperature of the ESC shell is too high. If the temperature is too high, check whether the screws of the five wiring position of the ESC are loose.

Our Services

1. We provide 1 Year Warranty. Buy with confidence.
2. If you are not satisfied when you receive your item, please return it within 14 days for a replacement or money back. Please contact me before you return it.
3. If item is defective in 3 months, We will send you a replacement without extra charger, or offer refund after we receive the defective item.
4. If item is defective after 3 months, you can still send it back to us. We will send you a new one after receiving the defective item. But you have to pay the extra shipping fee.

FAQ

Q1: Do you support OEM/ODM?
A1: Yes. We can print your logo on the product.
Q2: About samples.
A2: Under normal circumstances, samples will be ready within 7 days, and 10-20 days for OEM/ODM orders. Sample fee and shipping will be charged.
Q3: What is the delivery time?
A3: For regular orders, we can ship within 15 days, for OEM/ODM, we can ship within 25-45 days (depending on the quantity). In the event of delays, we will notify you in advance of the status and resolution.
Q4: What is the minimum order quantity?
A4: There is no MOQ for wholesale (1 piece accepted), including OEM/ODM.
Q5: What are your payment terms?
A5: L/C.TT100%.
Q6: Can you reduce the shipping cost?
A6: When calculating the shipping cost for you, we always choose the cheapest and safest express. Although we have partnerships with shipping companies, we can't keep costs down because it's not us who get paid. If you think it's expensive for you. You can always make your own choice.
Q7: Return policy.
A7: If you want to replace the received item, you must contact us within 7 days after receiving the item. Returned items should be in their original condition and you should pay for additional shipping.

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