



## 6X08-II 130KV Coaxial drone arm set brushless motor

Our Product Introduction

for more products please visit us on [uav-vtoldrone.com](http://uav-vtoldrone.com)

### Basic Information

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



### Product Specification

- Highlight: Coaxial drone arm set, 130KV drone arm set



### More Images



### Product Description

#### 6X08-II 130KV Coaxial drone arm set brushless motor

##### INTEGRATED 60A FOC ESC INTELLIGENT& RELIABLE

Centrifugal cooling fan, hollowed out motor bottom and sides, plus a heat dissipation matrix composed of 24 aluminum sheets at the bottom, effectively cool down the motor coils. With the reduction of the motor temperature during the flight, especially in high temperature conditions, improves the flying reliability and effectively extends operation time of the copter. and make the overall flight safer.

##### INTEGRATED 60A FOC ESC INTELLIGENT& RELIABLE

Our Product

Special core program for multi-rotor controllers greatly improves throttle response. More stable hovering, cruising and responsive maneuverability.

High intelligent, parameters were auto set, simple to use  
High driving efficiency, effectively reduce working temperature of ESC.

#### Efficient & Solid Propeller

The HAVOC 22in folding propellers are made of carbon composite, lightweight and solid  
Upward wingtip design, reduce airflow interference, so less vibration and noise, efficiency highly increased.

## MAD 6X-08 MOTOR

TUNED PROPULSION SYSTEM

### 6X-08 DRONE APM SET

1.7-2.5kg payload per motor Max thrust 5.9kg  
Combo set weights only 481g

M6C08	60A FOC	2270
MOTOR	ESC	PROP

### 6X-10 DRONE APM SET

1.9-2.8kg payload per motor Max thrust 7kg  
Combo set weights only 513g

M6C10	60A FOC	2270
MOTOR	ESC	PROP

### 6X-12 DRONE APM SET

3.3-4.7kg payload per motor Max thrust 13kg  
Combo set weights only 5x7g

M6C12	60A FOC	2270
MOTOR	ESC	PROP

**One plug installation, super convenient**

Compatible with 30/28/25mm drone arm tubes (adapter ring included). One plug and screw, then ready to use. No more complicated wiring and installation procedures.

**Great Heat Dissipation**

Centrifugal cooling fan, hollowed out motor bottom and sides, plus a heat dissipation matrix composed of 24 aluminum sheets at the bottom, effectively cool down the motor coils. With the reduction of the motor temperature during the flight, especially in high temperature conditions, improves the flying reliability and effectively extends operation time of the copter, and make the over all flight safer.

1.7-2.5kg/Rotor

**INTEGRATED 60A FOC ESC INTELLIGENT & RELIABLE**

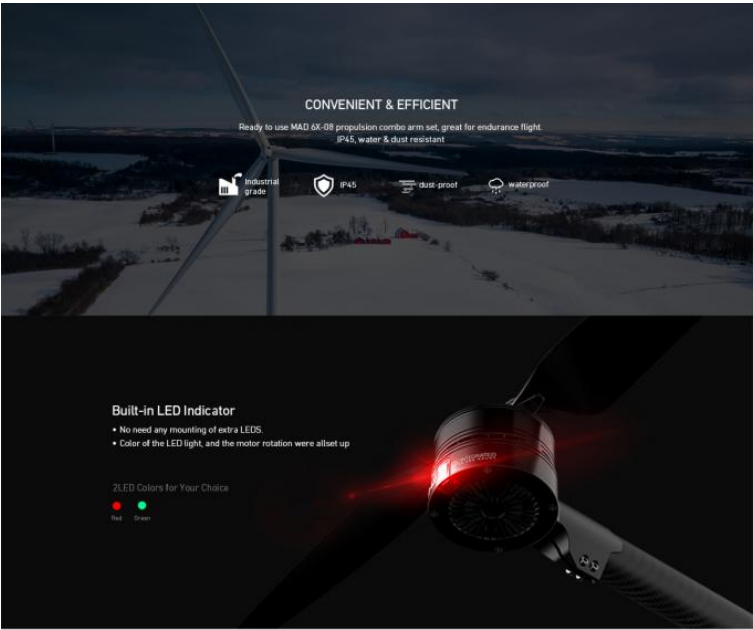
- Special core program for multi-rotor controllers greatly improves throttle response. More stable hovering, cruising and responsive maneuverability.
- High intelligent, parameters were auto set, simple to use.
- High driving efficiency, effectively reduce working temperature of ESC.

8-14S/Lipo

**Efficient & Solid Propeller**

- The HAVOC 22in folding propellers are made of carbon composite, lightweight and solid.
- Upward wingtip design, reduce airflow interference, so less vibration and noise, efficiency highly increased.

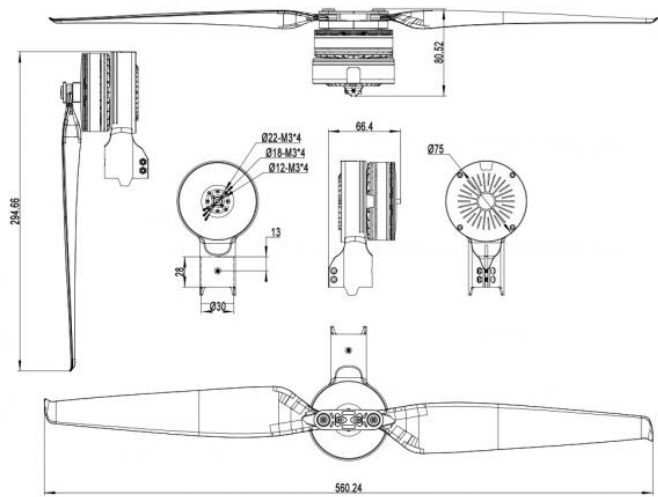
HAVOC 2270



PARAMETER

	6X	6X-08 KV130
Basic Parameter	Max Thrust	5909g/rotor @48V(see level)
	Recommend Take-off Weight	1700-2500g/rotor @48V(see level)
	Recommend Voltage	12S Lipo
	Operating Temperature	-20-60°C
	Unit Combo Weight	481g
	Extension Wire Length	710mm/780mm (Input/Signal Wires)
	Compatible Carbon Tube	30/28/25mm
PROPELLER	Size	22x7.0inch (558.8x177.8mm)
	Unit Weight	65g/pc
MOTOR	Stator Size	64x8 mm
	Unit Weight	220g
ESC	Model Name	Circular 60A FOC
	Max Input Voltage	60.9V
	Max Input Current	30A
	Max Peak Current	120A (10S)
	Max Throttle Signal Frequency	50-450-Hz
	Recommend Voltage	12S

PRODUCT DRAWING



6X-08 130KV Propulsion Combo			HAVOC 22x7.0 folding propeller			12S		MAX 84℃	
Throttle (%)	Voltage (V)	Current (A)	Input Power (W)	Output Power (W)	Torque (N·m)	RPM	Thrust (g)	Efficiency (%)	Efficiency (g/W)
30	48.89	0.73	35.7	28.0	0.179	1493	620	78.4	17.4
35	48.89	1.15	56.2	45.3	0.245	1767	878	80.6	15.6
40	48.88	1.73	84.6	68.2	0.322	2023	1164	80.6	13.8
45	48.89	2.4	117.3	97.2	0.409	2270	1485	82.9	12.7
50	48.8	3.18	155.2	129.5	0.492	2513	1792	83.4	11.5
55	48.82	4.12	201.1	169.0	0.587	2749	2127	84.0	10.6
60	48.78	5.2	253.7	214.3	0.689	2970	2527	84.5	10.0
65	48.75	6.42	313.0	263.3	0.790	3183	2893	84.1	9.2
70	48.73	7.72	376.2	317.1	0.892	3395	3307	84.3	8.8
75	48.69	9.28	451.8	378.5	1.004	3600	3710	83.8	8.2
80	48.65	11.11	540.5	449.9	1.131	3799	4154	83.2	7.7
85	48.6	13.15	639.1	523.9	1.256	3983	4597	82.0	7.2
90	48.55	15.15	735.5	595.6	1.366	4164	5036	81.0	6.8
95	48.51	17.35	841.6	673.2	1.481	4341	5434	80.0	6.5
100	48.45	19.96	967.1	759.0	1.610	4502	5909	78.5	6.1
Use the powertrain correctly according to the following performance parameters. It is recommended to fly at the recommended takeoff weight for best performance. Don't fly overweight. If the takeoff weight exceeds 1.2 times the maximum recommended value, performance and safety will be seriously affected.									
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 - 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.			

INDICATOR LIGHTS AND AUDIBLE ALERTS FOR MOTOR CONTROLLER – RAPID TROUBLESHOOTING When in use, please rely on the status indicator lights and audible alerts to assess whether the product is functioning properly. If any abnormalities occur, please troubleshoot the issues.		
FAULT DURING SELF-CHECK		
FAULT SYMPTOMS	POSSIBLE CAUSES	SOLUTION
Power-on self-test failure, the motor emits a 'beep' sound every 1.5 seconds, accompanied by a brief yellow flashing indicator light	Loss or misidentification of throttle PWM signal. Throttle PWM range is incorrect.	Ensure the throttle signal wire is well-connected. Check for any damage to the signal wire.
Power-on self-test failure, the motor emits a 'beep' sound every 0.5 seconds, accompanied by a brief yellow flashing indicator light.	High throttle detected during power-on, entering protection mode.	Ensure that the motor controller has passed the self-check before increasing the throttle.
Power-on self-test failure, the motor is silent, and the indicator light flashes a sequence of four short intervals every 1.5 seconds 'short-short-short-long' in yellow.	Power-on self-test failure, the motor circuit may be disconnected.	Open the motor controller cover and check if the three motor wires are securely locked.
Power-on self-test failure, the motor is silent, and the indicator light flashes a sequence of four short intervals every 1.5 seconds: 'short-short-short-long' in yellow.	Power-on self-test failure, abnormal supply voltage.	Check if the battery voltage is normal, inspect the power supply line for proper connection.
Power-on self-test failure, the motor is silent, and the indicator light flashes a sequence of four short intervals every 1.5 seconds with a yellow light: other flashing patterns.	Power-on self-test failure, abnormality detected in motor controller hardware.	Record the LED flashing pattern on video. Contact customer service for a replacement motor controller and conduct further testing.
FAULT DURING OPERATION		
FAULT SYMPTOMS	POSSIBLE CAUSES	SOLUTION
The motors do not spin after the aircraft is unlocked; they start spinning only after increasing the throttle.	The flight controller or remote controller outputs unlock idle; throttle value is less than 1100 microseconds.	Set the flight controller or remote controller to output idle with a throttle value greater than 1100 microseconds, recommended range 1160μs to 1180μs.
After powering on the aircraft and connecting the remote controller, the motors start spinning.	The remote controller is set to lock the throttle above 1100 microseconds or close to 1100 microseconds.	The remote controller needs to be set to lock the throttle at a value less than or equal to 1050 microseconds.
Power-on self-test is normal, but the motors do not spin after unlocking. Indicator light: 0.5 seconds of yellow light followed by 0.5 seconds off, and the motors do not produce any sound.	The motor startup failed, encountering stall protection during the startup process.	Power cycle by turning the power on and off. If the issue persists, check whether the motor is damaged.
Power-on self-test is normal, but the motors do not spin after unlocking. Indicator light: 0.5 seconds of yellow light followed by 0.5 seconds off, and the motors do not produce any sound.	The motor controller detects motor stall and enters protection mode.	Check if the motor is stalled due to a crash and inspect whether the motor rotation is smooth.
Power-on self-test is normal, but the motors do not spin after unlocking. Indicator light: 1 second of yellow light followed by 1 second off, and the motors do not produce any sound.	Short circuit or overcurrent protection triggered, entering protection mode.	Open the motor controller cover and inspect whether there is any damage to the motor wires and if the copper connectors on the motor wires are loose.
During operation, the indicator light alternately flashes red and green.	The motor controller detects a loss of PWM throttle signal.	Emergency landing of the aircraft, check if the PWM signal line is well-connected, and inspect for any damage to the signal line midway.
During operation, the indicator light rapidly flashes yellow every 0.2 seconds.	The motor controller detects high temperature.	After landing and stopping the aircraft, check if the motor controller's casing is too hot. If the temperature is high, inspect whether the five terminal screws of the motor controller are loose.
Power-on self-test failure, the motor is silent, and the indicator light flashes a sequence of four short intervals every 1.5 seconds: 'short-long-short-short' in yellow.	Power-on self-test failure, abnormal voltage on the motor wires.	Check for any short circuits between the motor wires and the main bus in the motor controller. Inspect whether the motor wires are damaged and if there is a short circuit with the casing.

## 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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