



9X12 Coaxial Drone Arm Set Brushless Motor High Efficiency

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: GS
- Model Number: 9X12
- Price: Negotiable
- Delivery Time: 6-8
- Payment Terms: T/T
- Supply Ability: 100



Product Specification

- Highlight: 9X12 Coaxial drone arm set, drone arm set brushless motor



More Images



9X12 Coaxial drone arm set brushless motor

9x12-I is an upper and lower coaxial structure power system. It is a specially developed power system for a multi rotor UAV with a single axle load of 7~9kg. It focuses on optimizing its force efficiency, safety and endurance under extreme conditions. It is suitable for a multi rotor aircraft with a carbon tube diameter of 35-40mm. The 9x12-I power sleeve adopts an integrated power assembly, integrates a high-efficiency brushless motor, cooperates with the 32 inch propeller made of special carbon fiber composite materials and the intelligent electric regulator driven by Circular 60A FOC sine, creating more possibilities for professional aerial photography, surveying and mapping inspection and other fields pursuing excellence. Break through imagination and release inspiration.

8-10kgF/rotor Max thrust:19.9kgF/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.



The integrated propulsion system

9x12-II integrated power series adopts single arm modular design, with single axle load of 7~9kg, single axle maximum thrust of 13.5kg and single power weight of 1533g. The module has simple overall design, convenient installation and reliable structure. For various ultra long endurance application scenarios. The electric regulator of the motor is integrated and adapted to 40mm diameter carbon tube (convertible 35mm). It can more conveniently complete the installation and carry out professional flight.

M9C12	60A14S	3296
Motor	ESC	Propeller





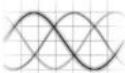
High efficiency disc motor

The new generation M9C12 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 E2O bearings imported from Japan and unique assembly technology, making axial and radial clearance free. So that each aircraft can fly continuously and stably.

7-9KG
rotor @48V(sea level)

Intelligent sine wave electric modulation

9x12-II is equipped with Circular 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 9x12-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.



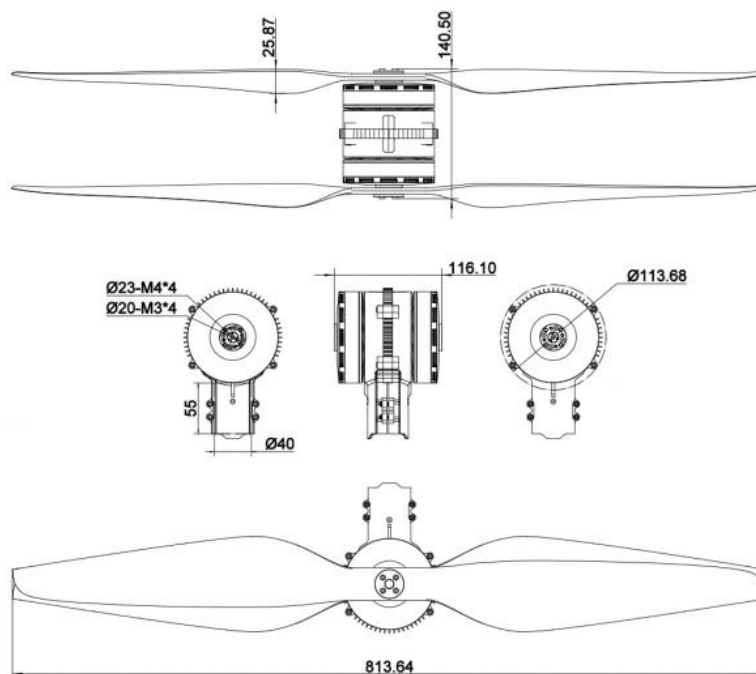
High quality carbon fiber propeller

Fluxer 32x9.6 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 9x12-II brushless motor, the power system has more advantages in tension and efficiency.

30~32"

Can be customized to match other blades of mad

PRODUCT DRAWING



PARAMETER

	9X	9X12-II KV100
Basic Parameter	Max Thrust	22643g /rotor @48v(see level)
	Recommend Take-off Weight	7000g-9000g /rotor @48v(see level)
	Recommend voltage	12S Lipo
	Operating Temperature	-20-60℃
	Unit Combo Weight	1533g
	Extension Wire Length	1300mm/ 1300mm (Input/Signal Wires)
	Compatible Carbon Tube	40mm
PROPELLER	Diameter / pitch	32x9.6inch (812.8x243.8mm) 32x11inch (812.8x279.4mm)
	Unit Weight	111g/pc 127g/pc
Motors	Stator Size	91x12 mm
	Unit Weight	453g
FOC ESC	Model Name	Circular 60A FOC
	Max Input Voltage	60.9V
	Max Input Current	30A
	Max Peak Current	120A (10S)
	Max Throttle Signal Frequency	50-450Hz
	Recommend Voltage	12S

BENCHMARK

MAD 9X12-II 100KV		FLUXER PRO 32x9.6 MATT		Circular FOC 60A (6-14S)		TOP		12S	MAX 84°C
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [g]	Efficiency [%]	Efficiency [g/f/W]
30	48.28	1.95	94.1	67.6	0.575	1122	1463	71.80	15.5
35	48.20	3.12	150.4	113.5	0.811	1336	2060	75.50	13.7
40	48.08	4.58	220.2	173.9	1.079	1539	2783	79.00	12.6
45	47.93	6.28	301.0	244.0	1.342	1736	3510	81.10	11.7
50	47.69	8.62	411.1	337.3	1.667	1932	4308	82.00	10.5
55	47.42	11.20	531.1	440.9	1.983	2123	5158	83.00	9.7
60	47.14	14.48	682.6	566.5	2.348	2304	6078	83.00	8.9
65	46.84	17.97	841.7	699.9	2.694	2481	6956	83.20	8.3
70	46.57	22.48	1046.9	865.3	3.110	2657	7931	82.70	7.6
75	46.25	27.54	1273.7	1044.5	3.527	2828	9075	82.00	7.1
80	45.87	33.87	1553.6	1258.2	4.017	2991	10279	81.00	6.6
85	45.46	40.36	1834.8	1461.0	4.429	3150	11506	79.60	6.3
90	44.92	47.60	2138.2	1670.4	4.819	3310	12162	78.10	5.7
95	44.57	51.74	2306.1	1776.9	5.035	3370	12766	77.10	5.5
100	44.46	54.75	2434.2	1841.2	5.156	3410	12997	75.60	5.3

MAD 9X12-II 100KV		FLUXER PRO 32x11 MATT		Circular FOC 60A (6-14S)		BOTTOM		12S	MAX 76°C
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [g]	Efficiency [%]	Efficiency [g/f/W]
30	48.21	1.66	80.0	60.3	0.518	1112	1023	75.37	12.8
35	48.15	2.74	131.9	101.4	0.730	1326	1454	76.84	11.0
40	48.03	3.93	188.8	151.7	0.948	1528	1912	80.36	10.1
45	47.88	5.56	266.2	220.2	1.219	1725	2472	82.72	9.3
50	47.64	7.73	368.3	308.8	1.536	1920	3103	83.86	8.4
55	47.37	10.35	490.3	413.2	1.871	2109	3820	84.28	7.8
60	47.10	13.30	626.4	528.8	2.205	2290	4458	84.41	7.1
65	46.81	17.03	797.2	671.7	2.601	2466	5228	84.26	6.6
70	46.52	21.16	984.4	822.8	2.975	2641	5872	83.59	6.0
75	46.24	26.06	1205.0	993.0	3.371	2813	6634	82.41	5.5
80	45.90	30.82	1414.6	1150.2	3.692	2975	7349	81.31	5.2
85	45.49	37.11	1688.1	1348.9	4.110	3134	8142	79.90	4.8
90	44.95	46.20	2076.7	1611.1	4.672	3293	9141	77.58	4.4
95	44.58	53.04	2364.5	1791.2	4.994	3425	9903	75.75	4.2
100	44.49	53.49	2379.8	1770.2	4.950	3415	9646	74.39	4.1

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.



Guangzhou Gesai Intelligent Electronic Technology Co., Ltd.



Kellyyangjing2021@outlook.com



uav-vtoldrone.com

Fuli Yingtong Building, the Pearl River New Town, Tianhe District, Guangzhou, Guangdong, China