9X12 Coaxial Drone Arm Set Brushless Motor High Efhciency

Basic Information

- Place of Origin:
- Brand Name: GS
- Model Number:
- Price:
- Delivery Time:
- Payment Terms:
- Supply Ability:



Product Specification

Highlight:

9X12 Coaxial drone arm set, drone arm set brushless motor

Guangdong, China

9X12

6-8

T/T

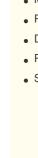
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Negotiable



More Images





Our Product Introduction

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 UAvwith a single axle load of 7~9kg. It focuses on optimizing its force efficiency, safety and endurance under extreme conditions.1tis suitable for a multi rotor aircraft with a carbon tube diameter of 35-40mm. The 9x12-I power sleeve adopts an integratedpower assembly, integrates a high-efficiency brushless motor, cooperates with the 32 inch propeller made of special carbonfber composite materials and the intelligent electric regulator driven by Circular 60A FOc sine, creating more possibilities forprofessional aerial photography, surveying and mapping inspection and other felds pursuingexcellence.Break throughimagination 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.



9x12–11 is an upper and lower coaxial structure power system. It is a specially developed power system for a multi rotor UAV with a single axie load of 7-bbg. It focuses on optimizing its force efficiency, safety and endurance under extreme conditions, it is suitable for a multi rotor accraft with a carbon tube diameter of 58-40nm. The 6x12–1 power several data an integrated power assembly, integrates a high-efficiency brushess motor, cooperates with the 32 inch propeller made of special carbon fber composition materials and the intelligent electric regulator driven by Chouler 60A FOC ins, creating more possibilities for professional aerial photography, surveying and mapping inspection and other fields pursuing excellence. Break through imagination and release inspiration.

The integrated propulsion system

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







High efficiency disc motor

The new generation MBC12 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 transion and high efficiency. The product is of procise workmanship, with E2O baarings imported from Jagen and unique assembly testmology, making axial and radial clearance free. So that each alrcraft can fly continuously and stably.

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

Intelligent sine wave electric modulation

9x12-1 is equipped with Circular 80A FOC intelligent electric regulator, which has a series of early warning and protection functions such as over--voltage, over--current, over tempersture, 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 texts where ability of the trottle response and the stability of operation in texts environment. Combined with the hardware failure mode, a comprehensive hardware power on self-text program is customized to effectively detect the potential faults of the hardware system and improve the overall stability and safety.

Sine wave driving mode







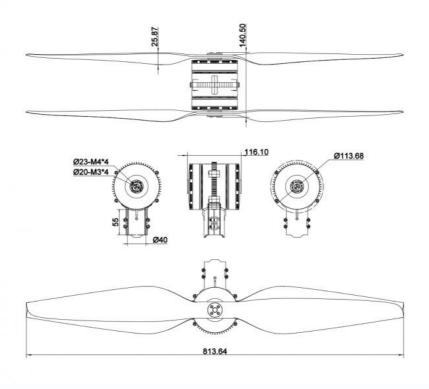
High quality carbon fiber propeller

Fluxer 32x8.6 Pro high quality / ultra light carbon fiber propellar, unique mirror light treatment process. Imported carbon fiber oldth and propellar core lightening technology are adopted. It can increase the flight time under the same leak. Its parfect dynamic balance and alimot 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 8/x1-21 itrustiess motor, the power system has more advantages in tension and efficiency.

30~32"

Can be customized to match other blades of mad





PARAMETER	3	
	ЭX	9X12-II KV100
	Max Thrust	22643g /rotor @48v(sea lavel)
	Recommend Take-off Weight	7000g-9000g /rotor @48x(see level)
	Recommend voltage	12S Lipo
Basic Parameter	Operating Temperature	-20-60℃
	Unit Combo Weight	1533g
	Extension Wire Length	1300mm/1300mm (Input/Signal Wines)
	Compatible Carbon Tube	40mm
PROPELLER	Diameter / pltch	32x0.6inch (812.8x243.8mm) 32x11inch (812.8x279.4mm)
	Unit Weight	111g/pc 127g/pc
Motors	Stator Size	91×12 mm
MOTORS	Unit Weight	453g
	Model Name	Circular 60A FOC
	Max Input Voltage	60.9V
FOC ESC	Max Input Current	AGE
FOU EOU	Max Peak Current	120A (105)
	Max Throtle Signal Frequency	50-450Hz
	Recommend Voltage	125

BENCHMARK

MAD 9)	K12-II 100KV	FLUXER	PRO 32x9.6	MATT Circu	l ar FOC 60.	A (6-14S)	TOP	12S	MAX 84°C
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust [gf]	Efficiency [%]	Efficienc [gf/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									
100	44.46	54.75	2434.2	1841.2	5.156	3410	12997	75.60	5.3 MAX
100 MAD 9	K12-II 100KV	FLUXER	2434.2 PRO 32x11 Input	MATT Circul	lar FOC 60A		BOTTOM	125	MAX 76°C
100 MAD 9)			PRO 32x11						MAX 76°C
100 MAD 97	K12-II 100KV Voltage	FLUXER	PRO 32x11 Input Power	MATT Circul	l ar FOC 60A Torque	A (6-145)	BOTTOM	12S	MAX 76°C Efficient
100 MAD 9) Throttle [%]	K12-II 100KV Voltage [V]	FLUXER	PRO 32x11 Input Power [W]	MATT Circul Output Power [W]	ar FOC 60A Torque [N×m]	А (6-14S) RPM	BOTTOM	12S	MAX 76°C Efficienc [gf/w]
100 MAD 9) Throttle [%] 30	X12-II 100KV Voltage [V] 48.21	FLUXER I Current [A] 1.66	PRO 32x11 Input Power [W] 80.0	MATT Circul Output Power [W] 60.3	Torque [N×m] 0.518	А (6-145) RPM 1112	BOTTOM Thrust [gf] 1023	12S Efficiency (%) 75.37	MAX 76°C [gf/w] 12.8
100 MAD 9) Throttle [%] 30 35	K12-II 100KV Voltage [V] 48.21 48.15	FLUXER f	PRO 32x11 Input Power [W] 80.0 131.9	MATT Circul Output Power [W] 60.3 101.4	Torque [N×m] 0.518 0.730	RPM 1112 1326	BOTTOM Thrust [gf] 1023 1454	12S Efficiency (%) 75.37 76.84	MAX 76°C Efficienc (gf/W) 12.8 11.0
100 MAD 92 Throttle [%] 30 35 40	X12-II 100KV Voltage (V) 48.21 48.15 48.03	FLUXER (Current [A] 1.66 2.74 3.93	PRO 32x11 Input Power IWJ 80.0 131.9 188.8	MATT Circul Output Power [W] 60.3 101.4 151.7	lar FOC 60A Torque [N×m] 0.518 0.730 0.948	RPM 1112 1326 1528	BOTTOM Thrust [g7] 1023 1454 1912	12S Efficiency (%) 75.37 76.84 80.36	MAX 76°C [gf/w] 12.8 11.0 10.1
100 MAD 92 (%) 30 35 40 45	X12-II 100KV Voltage (V) 48.21 48.15 48.03 47.88	FLUXER 1 Current [A] 1.66 2.74 3.93 5.56	PRO 32x11 Input Power IWJ 80.0 131.9 188.8 266.2	MATT Circul Output Power [W] 60.3 101.4 151.7 220.2	lar FOC 60A Torque [N×m] 0.518 0.730 0.948 1.219	RPM 1112 1326 1528 1725	BOTTOM Thrust [gf] 1023 1454 1912 2472	12S Efficiency (%) 75.37 76.84 80.36 82.72	MAX 76°C Efficient (g//W) 12.8 11.0 10.1 9.3
100 MAD 9) Threttle [%] 30 35 40 45 50	X12-II 100KV Voltage (V) 48.21 48.15 48.03 47.88 47.64	FLUXER 1 Current [A] 1.66 2.74 3.93 5.56 7.73	PRO 32x11 Input Power IWJ 80.0 131.9 188.8 266.2 368.3	MATT Circul Output Power [W] 60.3 101.4 151.7 220.2 308.8	Torque [N+m] 0.518 0.730 0.948 1.219 1.536	RPM 1112 1326 1528 1725 1920	BOTTOM Thrust [g1] 1023 1454 1912 2472 3103	12S Efficiency (%) 75.37 76.84 80.36 82.72 83.86	MAX 76°C Efficienc [st/W] 12.8 11.0 10.1 9.3 8.4
100 MAD 9) Throttle [%] 30 35 40 45 50 55	X12-II 100KV Voltage [V] 48.21 48.15 48.03 47.88 47.64 47.37	FLUXER 1 Current [A] 1.66 2.74 3.93 5.56 7.73 10.35	PRO 32x11 Input Power IWJ 80.0 131.9 188.8 266.2 368.3 490.3	MATT Circul Output Power [W] 60.3 101.4 151.7 220.2 308.8 413.2	Torque [N×m] 0.518 0.730 0.948 1.219 1.536 1.871	RPM 1112 1326 1528 1725 1920 2109	BOTTOM Thrust (gf) 1023 1454 1912 2472 3103 3820	12S Efficiency (%) 75.37 76.84 80.36 82.72 83.86 84.28	MAX 76°C Efficient (gf/W) 12.8 11.0 10.1 9.3 8.4 7.8
100 MAD 92 (%1) 30 35 40 45 50 55 60	X12-II 100KV Voltage (V) 48.21 48.15 48.03 47.88 47.64 47.37 47.10	FLUXER 1 Current [A] 1.66 2.74 3.93 5.56 7.73 10.35 13.30	PRO 32x11 Power [W] 80.0 131.9 188.8 266.2 368.3 490.3 626.4	MATT Circul Output Power [W] 60.3 101.4 151.7 220.2 308.8 413.2 528.8	lar FOC 604 Torque [N+m] 0.518 0.730 0.948 1.219 1.536 1.871 2.205	A (6-145) RPM 1112 1326 1528 1725 1920 2109 2290	BOTTOM Thrust (gf) 1023 1454 1912 2472 3103 3820 4458	12S Efficiency (%) 75.37 76.84 80.36 82.72 83.86 84.28 84.41	MAX 76°C Efficience [st/w] 12.8 11.0 10.1 9.3 8.4 7.8 7.1
100 MAD 92 (%) 30 35 40 45 50 55 60 65	X12-II 100KV Voltage VV 48.21 48.15 48.03 47.88 47.64 47.37 47.10 46.81	FLUXER 1 Current [A] 1.66 2.74 3.93 5.56 7.73 10.35 13.30 17.03	PRO 32x11 Input Power [W] 80.0 131.9 188.8 266.2 368.3 490.3 626.4 797.2	MATT Circul Output Power [W] 60.3 101.4 151.7 220.2 308.8 413.2 528.8 671.7	lar FOC 604 Torque [N×m] 0.518 0.730 0.948 1.219 1.536 1.871 2.205 2.601	A (6-145) RPM 11112 1326 1528 1725 1920 2109 2290 2466	BOTTOM Thrust (sf) 1023 1454 1912 2472 3103 303 3103 3020 4458 5228	12S Efficiency (%) 75.37 76.84 80.36 82.72 83.86 84.28 84.41 84.26	MAX 76°C Efficience [gt/w] 12.8 11.0 10.1 9.3 8.4 7.8 7.1 6.6
100 MAD 9) Throttle [%] 30 35 40 45 50 55 60 65 70	X12-II 100KV Voltage (V) 48.21 48.15 48.03 47.88 47.64 47.37 47.10 46.81 46.52	FLUXER 1 Current [A] 1.66 2.74 3.93 5.56 7.73 10.35 10.35 10.35 10.35 10.30 17.03 21.16	PRO 32x11 input Power [W] 80.0 131.9 188.8 266.2 368.3 480.3 626.4 797.2 984.4	MATT Circul Output Power [W] 60.3 101.4 151.7 220.2 308.8 413.2 528.8 671.7 822.8	ar FOC 60/ Torque [№m] 0.518 0.730 0.948 1.219 1.536 1.871 2.205 2.601 2.975	A (6-145) RPM 1112 1326 1528 1725 1920 2109 2290 2466 2641	BOTTOM Thrust [87] 1454 1912 2472 3103 3820 4458 58228 5872	12S Efficiency (%) 75.37 76.84 80.36 82.72 83.86 84.28 84.41 84.26 83.59	MAX 76°C Efficienc [st/W] 12.8 11.0 10.1 9.3 8.4 7.8 7.1 6.6 6.0
100 MAD 9) (hrottle [%] 30 35 40 45 50 55 60 65 70 75	X12-II 100KV Voltage (V) 48.21 48.15 48.03 47.88 47.64 47.37 47.10 46.81 46.52 46.24	FLUXER 1 [A] 1.66 2.74 3.93 5.56 7.73 10.35 13.30 17.03 21.16 26.06	PRO 32x11 input Power [W] 80.0 131.9 188.8 266.2 368.3 490.3 490.3 490.3 490.4 490.3 490.4 490.4 490.4 490.4 490.4 490.4 490.4 490.4 984.4 1205.0	MATT Circul Output Power [V] 60.3 101.4 151.7 220.2 308.8 413.2 528.8 671.7 822.8 671.7 822.8 993.0	Torque [N+m] 0.518 0.730 0.948 1.219 1.536 1.871 2.205 2.601 2.601 2.975 3.371	A (6-145) RPM 1112 1326 1528 1725 1920 2129 2290 2466 2641 2813	BOTTOM Thrust (s7) 1023 1454 1912 2472 3103 3620 4458 5228 5872 6634	125 Efficiency (%) 75.37 76.38 80.36 80.36 80.36 80.36 84.28 84.48 84.46 84.26 83.59 82.41	MAX 76°C Efficienc [st/W] 12.8 11.0 10.1 9.3 8.4 7.8 7.1 6.6 6.0 5.5
100 MAD 9) Throttle (%) 30 35 40 45 55 60 65 60 65 70 75 80	X12-II 100KV Voltage (V) 48.21 48.15 48.03 47.88 47.64 47.37 47.10 46.81 46.52 46.24 45.90	FLUXER 1 Current [A] 1.66 2.74 3.93 5.56 7.73 10.35 13.30 17.03 21.16 26.06 30.82	Input Power [W] 80.0 131.9 188.8 266.2 368.3 490.3 626.4 797.2 984.4 1205.0 1414.6	MATT Circul Output Power [W] 60.3 101.4 151.7 220.2 308.8 4113.2 528.8 671.7 822.8 993.0 1150.2	Torque [N×m] 0.518 0.730 0.948 1.219 1.536 1.871 2.205 2.601 2.975 3.371 3.692	A (6-145) RPM 1112 1326 1528 1725 1920 2109 2290 2466 2641 2813 2975	BOTTOM Thrust (gf) 1023 1454 1912 2472 3103 3820 4458 5872 6634 5872 6634 7349	1225 Efficiency (%) 75.37 76.54 80.36 80.36 80.36 80.36 80.36 80.428 84.28 84.41 84.26 83.59 83.59 83.241 81.31	MAX 76°C Efficience (gf/w] 12.8 11.0 10.1 9.3 8.4 7.8 7.1 6.6 6.0 5.5 5.2
100 MAD 9) (%) 30 35 40 45 50 55 50 60 60 65 70 75 80 85	X12-II 100KV Voltage [V] 48.21 48.15 48.03 47.88 47.64 47.37 47.10 46.81 46.52 46.24 45.90 45.49	FLUXER 1 [A] 1.66 2.74 3.93 5.56 7.73 10.35 13.30 17.03 21.16 26.06 30.82 37.11	PRO 32x11 Input Power [W] 80.0 131.9 188.8 266.2 368.3 490.3 626.4 797.2 964.4 1205.0 1414.6 1688.1	MATT Circul Output Power (W) 60.3 101.4 151.7 220.2 308.8 413.2 528.8 671.7 822.8 993.0 1150.2 1348.9	Torque [N×m] 0.518 0.730 0.948 1.219 1.536 1.871 2.205 2.697 3.371 3.692 4.110	A (6-145) RPM 1112 1326 1528 1725 1920 2109 2290 2466 2641 2813 2975 3134	BOTTOM Thrust [gf] 1023 1454 1912 2472 3103 3820 4458 5872 6634 5872 6634 7349 8142	125 Efficiency (%) 75.37 76.84 80.272 83.86 84.28 84.28 84.28 84.41 84.26 83.59 82.41 81.31 79.90	MAX 76°C Efficience [st/w] 12.8 11.0 10.1 9.3 8.4 7.8 7.8 7.8 6.6 6.0 5.5 5.2 4.8

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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