6X12-II Coaxial Drone Arm Set Brushless Motor

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: GS
- Model Number: 6X12-II 170KV
- Price: Negotiable
- Delivery Time: 6-8
- Payment Terms: T/T
- Supply Ability: 100

Product Specification

- Highlight: **Brushless Motor Coaxial drone arm set**, **6X12-II Coaxial drone arm set**

More Images

Our Product Introduction

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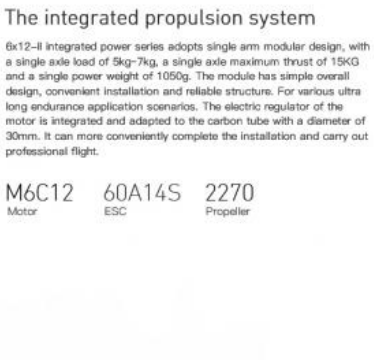
Product Description

6X12-II Coaxial drone arm set brushless motor

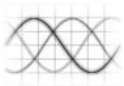
6X12-II is an upper and lower coaxial structure power system. it is a specially developed power system for a multi rotor UAVwith a single axle load of 5-7kg. It focuses on optimizing its force efhciency, safety and endurance under extreme conditions.is suitable for a multi rotor aircraft with a carbon tube diameter of 30mm. The 6X12-I power sleeve adopts an integratedpower assembly, integrates a high-effciency brushless motor, cooperates with the 22 inch propeller made of special carbonfber composite materials, and the Circular 60A FOc sine driven inteligent electric regulator, creating more possibiities forprofessional aerial photography, surveying and mapping inspection and other felds pursuing excellence.
Break throughimagination and release inspiration.

5-7kgF/rotor Max thrust:15kgF/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.



Intelligent sine wave electric modulation

6x12-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

PARAMETER

		6X	6X12-II KV170
Basic Parameter		Max Thrust	14800g /rotor @48v(sea level)
		Recommend Take-off Weight	5000g-7000g /rotor @48v(sea level)
		Recommend voltage	12S Lipo
		Operating Temperature	-20-60℃
		Unit Combo Weight	1050g
		Extension Wire Length	710mm/780mm (Input/Signal Wires)
		Compatible Carbon Tube	30mm (25mm Conversion ring)
PROPELLER		Diameter / pitch	CB2 22X7.0IN Ultralight PROP (558.8x177.8mm)
		Unit Weight	32g/pc
Motors		Stator Size	64x12 mm
		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 6X12-II 170KV **CB2** 22X7.0IN Ultralight PROP **Circular** FOC 60A (6-14S) TOP 12S MAX 97℃

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	48.12	1.63	78.4	58.4	0.276	2020	970	74.50	12.4
35	48.06	2.57	123.5	97.6	0.389	2397	1386	79.00	11.2
40	48.00	3.82	183.4	147.7	0.513	2750	1831	80.50	10.0
45	47.92	5.26	252.1	206.3	0.637	3092	2300	81.80	9.1
50	47.82	7.04	336.7	280.9	0.782	3430	2853	83.40	8.5
55	47.69	9.23	440.2	370.7	0.943	3754	3448	84.20	7.8
60	47.56	11.84	563.1	473.7	1.113	4064	4080	84.10	7.2
65	47.40	14.86	704.4	592.5	1.297	4362	4760	84.10	6.8
70	47.21	18.40	868.7	728.4	1.493	4659	5480	83.80	6.3
75	47.02	21.62	1016.6	852.9	1.647	4945	6150	83.90	6.0
80	46.78	26.08	1220.0	1019.4	1.867	5214	6939	83.60	5.7
85	46.54	30.52	1420.4	1172.0	2.043	5478	7605	82.50	5.4
90	46.23	36.56	1690.2	1374.9	2.287	5741	8510	81.30	5.0
95	45.92	42.04	1930.5	1558.4	2.482	5996	9229	80.70	4.8
100	45.68	45.39	2073.4	1666.4	2.622	6069	9629	80.40	4.6

MAD 6X12-II 170KV **CB2** 22X7.0IN Ultralight PROP **Circular** FOC 60A (6-14S) BOTTOM 12S MAX 90℃

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N×m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	48.00	1.53	73.4	51.9	0.244	2032	664	70.70	9.0
35	47.95	2.36	113.2	85.2	0.338	2407	946	75.29	8.4
40	47.89	3.40	162.8	125.2	0.433	2760	1199	76.86	7.4
45	47.81	4.77	228.1	181.5	0.559	3100	1577	79.57	6.9
50	47.72	6.36	303.5	247.1	0.686	3440	1950	81.42	6.4
55	47.61	8.31	395.6	325.5	0.825	3767	2331	82.26	5.9
60	47.50	10.29	488.8	403.1	0.945	4073	2699	82.46	5.5
65	47.35	12.67	599.9	494.5	1.080	4372	3066	82.42	5.1
70	47.18	15.36	724.7	604.9	1.238	4666	3496	83.47	4.8
75	46.98	18.49	868.7	723.5	1.398	4942	4026	83.29	4.6
80	46.76	21.56	1008.2	839.6	1.540	5206	4403	83.28	4.4
85	46.56	25.16	1171.5	974.2	1.700	5472	4831	83.16	4.1
90	46.31	29.00	1343.0	1113.1	1.854	5733	5244	82.88	3.9
95	45.96	33.77	1552.1	1261.4	2.011	5990	5741	81.27	3.7
100	45.76	37.89	1733.9	1399.9	2.152	6212	6166	80.74	3.6

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.

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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