



BSC 2810 Brushless DC Motor FPV

Our Product Introduction

for more products please visit us on uav-vtoldrone.com

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: GS
- Model Number: BSC 2810 1100KV-6S 1350KV-5~6S
- Price: Negotiable



Product Specification

- Motor Model: BSC2810 V1.0
- Motor Size: D:33.6x39.7 Mm
- Propeller Mounting Holes: M5 Nut
- Shaft Diameter: IN: 5 Mm
- Motor Number Of Slots: 12N14P
- Rotor Balance: ≤ 5 Mg
- Motor Balance: D:19 M3x4
- Cable Length: 150 Mm 18# Awg(Black) Silicone
- Highlight: 22.2V LiPo LiHV Battery,
li ion balance charger 22.2V,
Agriculture UAV LiPo LiHV Battery



More Images



BSC 2810 Brushless DC Motor FPV

The BSC series FPV brushless motor is our entry-level model, designed to meet the needs of a wide range of customers. It offers an optimal balance between cost effectiveness and uncompromising quality, making it equally suitable for beginners and experienced enthusiasts. If you are looking for a more durable and aesthetically pleasing motor of the same type, you can choose our FS series.

High efficiency: Brushless DC motors are more efficient than brushed motors, providing longer flight times and better performance.

High power-to-weight ratio: These motors are lightweight but powerful, making them ideal for drones that need to stay agile and fast.

Durability: Brushless DC motors have fewer mechanical parts to wear out, making them more durable and reliable over time.

Precision control: Electronic commutation in brushless DC motors allows for precise control of speed and torque, which are essential for stable and responsive drone flight

BSC2810

ENERGY EFFICIENT 1100KV
IT'S TIME TO FLYING

1.0~1.4 kgf
RECOMMENDED
HOVER THRUST
OPTIMIZED
WEIGHT 67g

2.6 kgf
MAXIMUM
THRUST
MAXIMUM THRUST MAY DEPEND ON
BATTERY LEVEL, PROPELLER TYPE,
AIR PRESSURE AND OTHER CONDITIONS



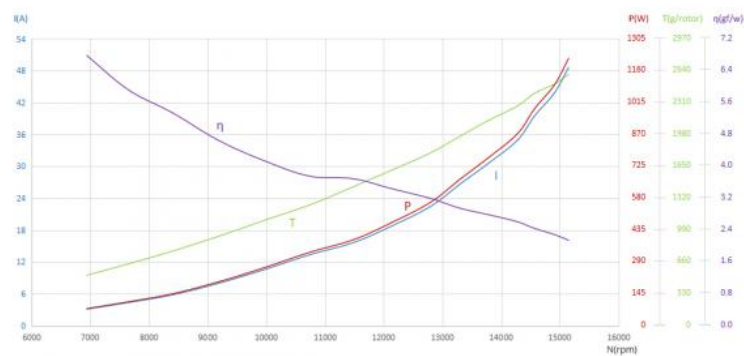
MAD BSC2810 1100KV HQ8045-3

6S MAX
101°C

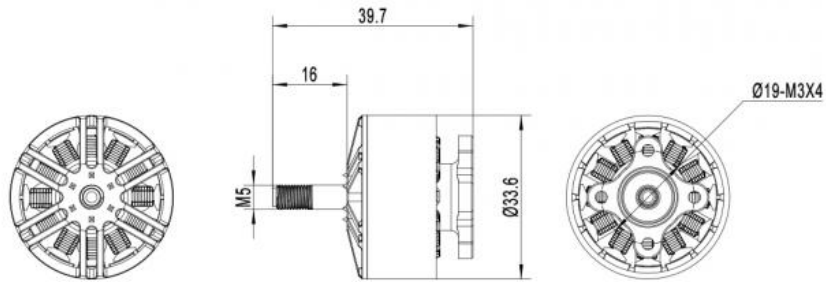
Analytical Graph of Motor Operation

I – Current, P – Input Power, η – Electrical Efficiency, T – Thrust, N – Rotational Speed

The data above was measured with an input voltage of 24 V, at a temperature of 25°C and sea level. The rotational speed was adjusted by the throttle.



Motor Data			
Motor Model	MAD BSC2810 V1.0	Number of pole pairs	7
Stator	Anticorrosive	Varnished wire Degree	180°C
Motor Size	D:33.6 × 39.7 mm	Magnet Degree	150°C
Degree of Protection	Rain protection	Cable Length	250 mm 18# Awg(Black) silicone
Centrifugal Heat Dissipation	Independent	Rotor Balance	≤5 mg
Propeller Mounting Holes	M5 Nut	Motor Balance	≤10 mg
Shaft Diameter	IN: 5 mm	Motor Mounting Holes	D:19 M3×4
Bearing	685 *2	Disruptive test	500 V
Additional Accessories	M5 Nut *1, M3*6mm *4 Pan head Motor Screws, O-ring *1, Brass gasket *1		
Specifications			
RPM/V	1100 KV	Nominal Voltage	6S
No Load Current	1.0A / 10V	Internal resistance	62mΩ
Motor Weight	67 g	Product Boxed Weight	-
Maximum Current	48.6 A	Maximum Power	1215 W
Maximum thrust	2.6 kg	Recommended Propellers	7040-3 8045-3
UAV take-off weight	Quadcopter:4-5.6kg X8quadcopter:6-8.4kg	Single rotor take-off weight	1kg ~ 1.4kg



MAD BSC2810 1100KV GF7040-3							6S
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	RPM	Thrust [gf]	Efficiency [g/f/W]	MAX
30	25	2.48	62.0	9579	404	6.5	91°C
35	25	3.29	82.3	10451	477	5.8	
40	25	4.11	102.8	11163	560	5.5	
45	25	4.99	124.8	11910	630	5.1	
50	25	5.98	149.5	12605	717	4.8	
55	25	6.98	174.5	13323	789	4.5	
60	25	7.86	196.5	13954	873	4.4	
65	25	9.33	233.3	14777	974	4.2	
70	25	11.38	284.5	15686	1107	3.9	
75	25	13.91	347.8	16661	1255	3.6	
80	25	16.36	409.0	17489	1402	3.4	
85	25	18.82	470.5	18309	1526	3.2	
90	25	21.69	542.3	19067	1679	3.1	101°C
95	25	24.99	624.8	19829	1872	3.0	
100	25	28.5	712.5	20497	2036	2.9	
MAD BSC2810 1100KV HQ8045-3							6S
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	RPM	Thrust [gf]	Efficiency [g/f/W]	MAX
30	25	3.07	76.8	6943	520	6.8	101°C
35	25	4.35	108.8	7670	642	5.9	
40	25	5.76	144.0	8397	770	5.3	
45	25	8	200.0	9203	927	4.6	
50	25	10.67	266.8	10007	1097	4.1	
55	25	13.36	334.0	10752	1251	3.7	
60	25	15.63	390.8	11489	1439	3.7	
65	25	18.72	468.0	12132	1608	3.4	
70	25	22.44	561.0	12800	1789	3.2	
75	25	26.69	667.3	13307	1963	2.9	
80	25	30.56	764.0	13785	2125	2.8	
85	25	34.93	873.3	14279	2274	2.6	
90	25	39.51	987.8	14573	2407	2.4	
95	25	43.8	1095.0	14907	2501	2.3	
100	25	48.61	1215.3	15150	2601	2.1	

BSC2810

ENERGY EFFICIENT 1350KV

IT'S TIME TO FLYING

1.0~1.4 kgf

RECOMMENDED
HOVER THRUST

OPTIMIZED
WEIGHT 66.7g

2.5 kgf

MAXIMUM
THRUST

MAXIMUM THRUST MAY DEPEND ON
BATTERY LEVEL, PROPELLER TYPE,
AIR PRESSURE AND OTHER CONDITIONS



MAD BSC2810 1350KV GF7040-3

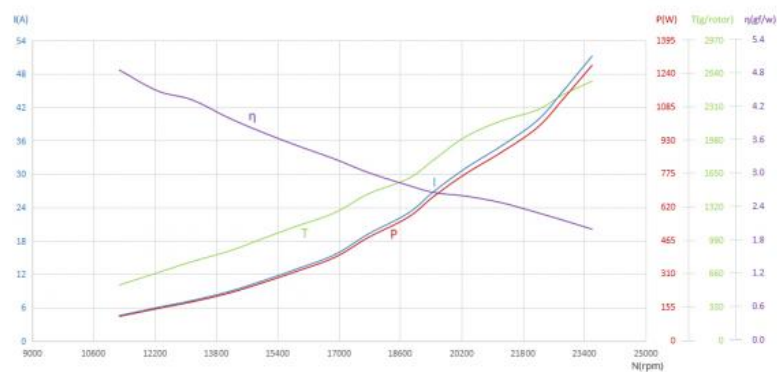
6S

MAX
99°C

Analytical Graph of Motor Operation

I - Current, P - Input Power, η - Electrical Efficiency, T - Thrust, N - Rotational Speed

The data above was measured with an input voltage of 24 V, at a temperature of 25°C and sea level. The rotational speed was adjusted by the throttle.



Specifications							
RPM/V	1350 KV		Nominal Voltage		5-6S		
No Load Current	1.6A / 10V		Internal resistance		43mΩ		
Motor Weight	66.7 g		Product Boxed Weight		-		
Maximum Current	61.6 A		Maximum Power		1280 W		
Maximum thrust	2.5 kg		Recommended Propellers		7040-3 8045-3		
UAV take-off weight	Quadcopter:4-5.6kg X8Quadcopter:6-8.4kg		Single rotor take-off weight		1kg ~ 1.4kg		

MAD BSC2810 1350KV GF7040-3							6S
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	RPM	Thrust [gf]	Efficiency [g/f/W]	MAX
30	25	4.53	113.3	11275	552	4.9	99℃
35	25	6.03	150.8	12303	677	4.5	
40	25	7.2	180.0	13150	781	4.3	
45	25	8.85	221.3	14131	887	4.0	
50	25	10.68	267.0	14971	1004	3.8	
55	25	12.8	320.0	15856	1128	3.5	
60	25	15.48	387.0	16885	1266	3.3	
65	25	19.2	480.0	17767	1453	3.0	
70	25	22.99	574.8	18815	1606	2.8	
75	25	26.92	673.0	19490	1794	2.7	
80	25	31.12	778.0	20325	2023	2.6	
85	25	35.21	880.3	21277	2180	2.5	
90	25	39.69	992.3	22186	2285	2.3	
95	25	45.08	1127.0	22867	2439	2.2	
100	25	51.2	1280.0	23605	2568	2.0	

MAD BSC2810 1350KV HQ8045-3							5S
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	RPM	Thrust [gf]	Efficiency [g/f/W]	MAX
30	20	4.47	89.4	7079	530	5.9	97℃
35	20	5.99	119.8	7850	653	5.5	
40	20	8.32	166.4	8668	800	4.8	
45	20	11.42	228.4	9479	960	4.2	
50	20	14.91	298.2	10229	1118	3.7	
55	20	18.62	372.4	10934	1287	3.5	
60	20	21.64	432.8	11598	1469	3.4	
65	20	25.61	512.2	12248	1618	3.2	
70	20	30.39	607.8	12842	1797	3.0	
75	20	35.79	715.8	13303	1975	2.8	
80	20	40.41	808.2	13743	2100	2.6	
85	20	45.43	908.6	14067	2220	2.4	
90	20	50.58	1011.6	14487	2314	2.3	
95	20	55.94	1118.8	14731	2403	2.1	
100	20	61.68	1233.6	14904	2471	2.0	

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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