



## Professional Lightweight 2810 FPV 1100KV+1350KV Bldc Drone Motor

### Our Product Introduction

#### Basic Information

- Brand Name: GS
- Model Number: 2810 FPV 1100KV+1350KV
- Minimum Order Quantity: 1
- Price: Negotiable
- Delivery Time: 6~8
- Payment Terms: T/T
- Supply Ability: 100



#### Product Specification

- Highlight: 1350KV bldc drone motor ,  
bldc drone motor Lightweight ,  
fpv brushless motor Lightweight



#### More Images



## 2810 FPV 1100KV+1350KV Brushless DC Motor

# 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



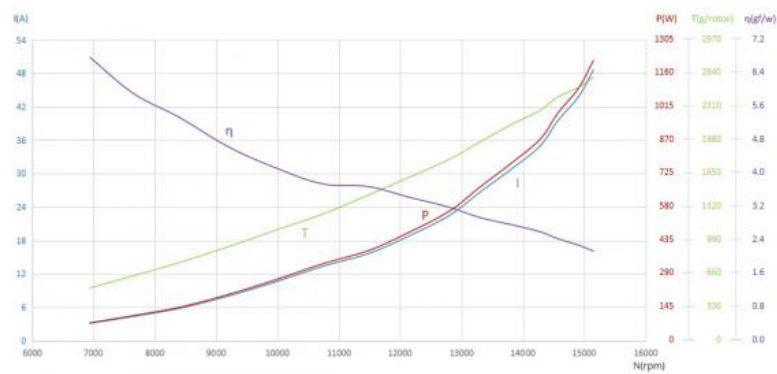
BSC2810 1100KV HQ8045-3

6S MAX  
101°C

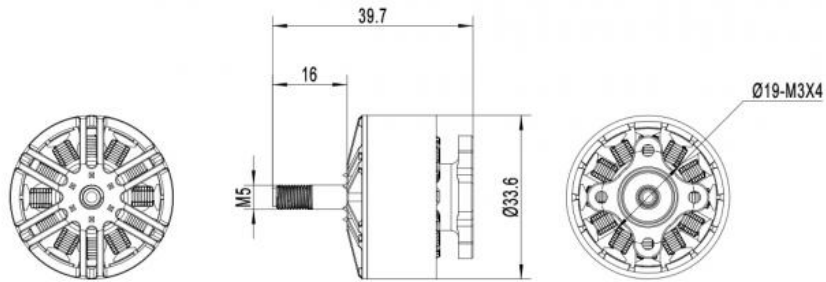
### Analytical Graph of Motor Operation

I - Current, P - Input Power,  $\eta$  - 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                  | B5C2810 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                    |



| 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                |       |
| 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



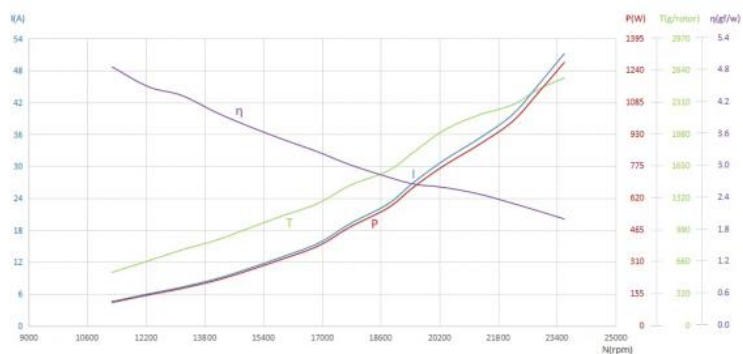
BSC2810 1350KV GF7040-3

6S MAX  
99°C

## Analytical Graph of Motor Operation

I - Current, P - Input Power,  $\eta$  - 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   |

| BSC2810 1350KV GF7040-3 |             |             |                 |       |             |                   | 6S  |
|-------------------------|-------------|-------------|-----------------|-------|-------------|-------------------|-----|
| Throttle [%]            | Voltage [V] | Current [A] | Input Power [W] | RPM   | Thrust [gf] | Efficiency [gf/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               |     |

| BSC2810 1350KV HQ8045-3 |             |             |                 |       |             |                   | 5S  |
|-------------------------|-------------|-------------|-----------------|-------|-------------|-------------------|-----|
| Throttle [%]            | Voltage [V] | Current [A] | Input Power [W] | RPM   | Thrust [gf] | Efficiency [gf/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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