

8112 IPE 100KV Brushless DC Motor

Basic Information

• Place of Origin: Guangdong, China

• Brand Name: GS

Model Number: 8112 IPE 100KVPrice: Negotiable



Product Specification

RPMNV: 100 KV
No Load Current: 1.1A/30V
Motor Weight: 382 G
Maximum Current: 41 A
Maximum Thrust: 11.1 Kg

• Recommended EsC: MAD AMPX 40A (5-14S)HV

Nominal Voltage: 12S Lipo Battery

• Product Boxed Weight: 682g(150 X150 X65 Mm)

• Single Rotor Take-off 4kg~6kg

Weight:
• Highlight:

Logistics Transportation Fire Fighting Drones,

Heavy Duty Fire Fighting Drones,

Logistics Transportation fire extinguisher drone



More Images









8112 IPE 100KV Brushless DC Motor

1.Long life design for industrial applications and professional aerial mapping, 12S voltage;
2.Unique built-in "fan" design makes the air flow faster and heat dissipation faster;
3.Unique motor design, 36N40P multi-slot multipole;

4.Extremely reduced motor weight, 5% lighter than 81 series motors from other brands; 5.Durable high quality bearings used, more stable rotation.

8112

ENERGY EFFICIENT 100KV INDUSTRY PROFESSIONAL EDITION

4.0~6.0 kgf

11.1 kgf

MAXIMUM MAXIMUM THRUST MATTERPENDON BATTERYLEVEL PROPREILER TYPE THRUST ARE PRESSURE AND OTHER CONDITION

OPTIMIZED 382 g

EFFICIENCY > 80%



MAD 8112 IPE-black 100KV FLUXER PRO 28x8.4 MATT AMPX 40A (5-14S)

125

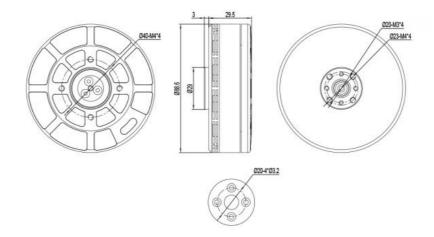
MAX 70°C



| wg(Black) silicone |
|--------------------|
| |
| |
| |
| |
| |

Specifications

| RPM/V | 100 KV | Nominal Voltage | 12S lipo battery |
|---------------------|--|------------------------------|--------------------------|
| No Load Current | 1.1A/30V | Internal resistance | 91mΩ |
| Motor Weight | 382 g | Product Boxed Weight | 682g (150 x 150 x 65 mm) |
| Maximum Current | 41 A | Maximum Power | 1937W |
| Maximum thrust | 11.1 kg | Maximum Torque | 3.9 Nm |
| Recommended ESC | MAD AMPX 40A (5-14S) HV | Recommended Propellers | 28x8.4, 29x8.7, 30x10.0 |
| UAV take-off weight | 12S-28"/ 15kgQuadcopter 22kgHexacopter 29kgOctocopter | Single rotor take-off weight | 4kg - 6kg |



| MAD 81 | 12 IPE-black | k 100KV FL | UXER PRO | 28x8.4 MATT | AMPX 40 | A (5-14S) HV | 1 | 125 | MAX 70°C |
|-----------------|----------------|----------------|-----------------------|---------------------|-----------------|--------------|----------------|-------------------|----------------------|
| Throttle [%] | Voltage [V] | Current [A] | Input Power [W] | Output Power [W] | Torque [N×m] | RPM | Thrust (gf) | Efficiency [%] | Efficiency [gf/W] |
| 30 | 48.19 | 1,91 | 91.5 | 64.0 | 0.408 | 1497 | 1240 | 69.99 | 13.5 |
| 35 | 48.18 | 2.68 | 128.9 | 95.0 | 0.531 | 1710 | 1635 | 73.67 | 12.7 |
| 40 | 48.17 | 3.63 | 174.2 | 131.9 | 0.658 | 1915 | 2045 | 75.67 | 11.7 |
| 45 | 48.16 | 4.77 | 229.4 | 179.3 | 0.807 | 2124 | 2524 | 78.13 | 11.0 |
| 50 | 48.15 | 6.38 | 306.6 | 246.0 | 0.995 | 2360 | 3118 | 80.19 | 10.2 |
| 55 | 48.12 | 8.21 | 394.3 | 320.1 | 1,178 | 2595 | 3642 | 81.14 | 9.2 |
| 60 | 48.06 | 10.39 | 498.9 | 409.1 | 1,394 | 2802 | 4356 | 81.96 | 8.7 |
| 65 | 48.05 | 12.57 | 603.7 | 498.5 | 1,591 | 2992 | 4985 | 82.53 | 8.3 |
| 70 | 48 | 15.24 | 730.9 | 601.5 | 1.813 | 3169 | 5647 | 82.23 | 7.7 |
| 75 | 47.97 | 17.56 | 841.9 | 704.2 | 2.008 | 3349 | 6285 | 83.6 | 7.5 |
| 80 | 47.88 | 20.37 | 974.7 | 832.1 | 2.260 | 3516 | 7109 | 85,34 | 7.3 |
| 85 | 47.87 | 23.88 | 1142.5 | 962.4 | 2.483 | 3701 | 7852 | 84.19 | 6.9 |
| 90 | 47.86 | 29.05 | 1390.1 | 1105.4 | 2.734 | 3862 | 8606 | 79.49 | 6.2 |
| 95 | 47.76 | 35.36 | 1688.3 | 1310.9 | 3.079 | 4066 | 9646 | 77.61 | 5.7 |
| 100 | 47.71 | 33.46 | 1595.8 | 1302.5 | 3.064 | 4059 | 9543 | 81.62 | 6.0 |

| | 112 IPE-black | k 100KV FL | UXER PRO | 29x8.7 MATT | AMPX 40 | A (5-14S) H\ | / | 125 | MAX 83°C |
|--|--|--|--|---|---|---|--|---|--|
| Throttle [%] | Voltage [V] | Current [A] | Input Power [W] | Output Power [W] | Torque [N×m] | RPM | Thrust [gf] | Efficiency [%] | Efficienc [gf/W] |
| 30 | 48.2 | 1.99 | 95.6 | 72.3 | 0.463 | 1493 | 1425 | 75.65 | 14,8 |
| 35 | 48.2 | 2.82 | 135.2 | 107.5 | 0.603 | 1703 | 1868 | 79.44 | 13.8 |
| 40 | 48.19 | 3.86 | 185.5 | 149.9 | 0.752 | 1906 | 2295 | 80.76 | 12.3 |
| 45 | 48.18 | 5.18 | 249.1 | 205.0 | 0.931 | 2103 | 2884 | 82.26 | 11.6 |
| 50 | 48.17 | 6.94 | 333.7 | 274.9 | 1,125 | 2334 | 3494 | 82.34 | 10.5 |
| 55 | 48.11 | 9.07 | 435.8 | 361.5 | 1.352 | 2554 | 4220 | 82.92 | 9.7 |
| 60 | 48.07 | 11.31 | 543.2 | 452.6 | 1.568 | 2757 | 4874 | 83.27 | 9.0 |
| 65 | 48.06 | 13.82 | 663.6 | 550.4 | 1.789 | 2939 | 5572 | 82.89 | 8.4 |
| 70 | 48.05 | 17.04 | 818.6 | 656.9 | 2.016 | 3113 | 6234 | 80.2 | 7.6 |
| 75 | 47.95 | 20.14 | 965.3 | 770.6 | 2.246 | 3278 | 6973 | 79.79 | 7.2 |
| 80 | 47.87 | 22.11 | 1057.6 | 895.5 | 2.486 | 3441 | 7716 | 84.65 | 7.3 |
| 85 | 47.81 | 25.84 | 1234.8 | 1046.0 | 2.767 | 3610 | 8516 | 84.67 | 6.9 |
| 90 | 47.79 | 30.37 | 1450.8 | 1183.3 | 3.005 | 3760 | 9276 | 81.52 | 6.4 |
| 95 | 47.69 | 35.81 | 1707.3 | 1378.4 | 3.323 | 3961 | 10199 | 80.69 | 6.0 |
| 100 | 47.67 | 35.91 | 1711.1 | 1378.2 | 3.337 | 3944 | 10292 | 80.51 | 6.0 |
| | | | | | | | | | |
| Throttle | 112 IPE-blaci Voltage | Current | UXER PRO | 30x10.0in MA | Torque | 40A (5-14S) | Thrust | 12S Efficiency | |
| 5000000 | ANTONIO | 700000000 | Input | | ADMINIST S | V 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | 555-26 | 10000000000 | 92°C Efficient |
| Throttle | Voltage | Current | Input Power | Output Power | Torque | V 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | Thrust | Efficiency | 92°C Efficient |
| Throttle [%] | Voltage [V] | Current [A] | Input Power [W] | Output Power [W] | Torque [N×m] | RPM | Thrust [gf] | Efficiency [%] | 92°C Efficient [gf/W] |
| Throttle [%] 30 | Voltage [V] 48.2 | Current [A] 2.37 | Input Power [W] 113.4 | Output Power [W] 89.8 | Torque [N×m] 0.587 | RPM 1462 | Thrust [gf] 1684 | Efficiency [%] | 92°C Efficienc [sf/W] |
| Throttle [%] 30 35 | voltage [V] 48.2 48.19 | Current [A] 2.37 3.35 | Input Power [W] 113.4 160.8 | Output Power [W] 89.8 130.0 | Torque [N×m] 0.587 0.744 | RPM 1462 1669 | Thrust [8f] 1684 2174 | Efficiency [%] 79.15 80.76 | 92°C Efficienc [gf/W] 14.8 13.5 |
| Throttle [%] 30 35 40 | Voltage [V] 48.2 48.19 48.18 | Current [A] 2.37 3.35 4.64 | Input Power [W] 113.4 160.8 223.0 | Output Power [W] 89.8 130.0 | Torque [N×m] 0.587 0.744 0.923 | RPM 1462 1669 1865 | Thrust [gf] 1684 2174 2714 | Efficiency [%] 79.15 80.76 80.79 | 92°C Efficienc [8f/W] 14.8 13.5 |
| Throttle [%] 30 35 40 45 | voltage [V] 48.2 48.19 48.18 48.16 | Current [A] 2.37 3.35 4.64 6.22 | Input Power [W] 113.4 160.8 223.0 298.9 | Output Power [W] 89.8 130.0 180.3 244.2 | Torque [N×m] 0.587 0.744 0.923 1.139 | RPM 1462 1669 1865 2049 | Thrust [8f] 1684 2174 2714 3324 | 79.15 80.76 80.79 81.65 | 92°C Efficienc [8f/W] 14.8 13.5 12.1 |
| Throttle [%] 30 35 40 45 | Voltage [V] 48.2 48.19 48.18 48.16 | Current [A] 2.37 3.35 4.64 6.22 8.23 | Input Power [W] 113.4 160.8 223.0 298.9 395.6 | Output Power [W] 89.8 130.0 180.3 244.2 324.5 | Torque [N×m] 0.587 0.744 0.923 1.139 | RPM 1462 1669 1865 2049 2263 | Thrust (gf) 1684 2174 2714 3324 3996 | Efficiency [%] 79.15 80.76 80.79 81.65 81.97 | 92°C Efficient [8f/W] 14.8 13.5 12.1 11.1 |
| Throttle [%] 30 35 40 45 50 | Voltage [V] 48.2 48.19 48.18 48.16 48.15 | Current [A] 2.37 3.35 4.64 6.22 8.23 10.7 | Input Power [W] 113.4 160.8 223.0 298.9 395.6 513.9 | Output Power [W] 89.8 130.0 180.3 244.2 324.5 422.6 | Torque [N×m] 0.587 0.744 0.923 1.139 1.369 1.635 | RPM 1462 1669 1865 2049 2263 2468 | Thrust (sf) 1684 2174 2714 3324 3996 4835 | Efficiency [%] 79.15 80.76 80.79 81.65 81.97 | 92°C Efficient (af/W) 14.8 13.5 12.1 11.1 10.1 9.4 |
| Throttle [%] 30 35 40 45 50 55 | Voltage [V] 48.2 48.19 48.18 48.16 48.15 48.09 | Current [A] 2.37 3.35 4.64 6.22 8.23 10.7 13.68 | Input Power [W] 113.4 160.8 223.0 298.9 395.6 513.9 656.9 | Output Power [W] 89.8 130.0 180.3 244.2 324.5 422.6 531.5 | Torque [N×m] 0.587 0.744 0.923 1.139 1.369 1.635 1.915 | RPM 1462 1669 1865 2049 2263 2468 2650 | Thrust [8f] 1684 2174 2714 3324 3996 4835 5634 | Efficiency [%] 79.15 80.76 80.79 81.65 81.97 82.17 80.87 | 92°C Efficience [gf/W] 14.8 13.5 12.1 11.1 10.1 9.4 8.6 |
| Throttle [%] 30 35 40 45 50 55 60 65 | Voltage [V] 48.2 48.19 48.18 48.16 48.15 48.09 48.07 | Current [A] 2.37 3.35 4.64 6.22 8.23 10.7 13.68 16.26 | Input Power [W] 113.4 160.8 223.0 298.9 395.6 513.9 656.9 780.3 | Output Power [W] 89.8 130.0 180.3 244.2 324.5 422.6 531.5 641.4 | Torque [N×m] 0.587 0.744 0.923 1.139 1.369 1.635 1.915 2.168 | RPM 1462 1669 1865 2049 2263 2468 2650 2825 | Thrust [87] 1684 2174 2714 3324 3996 4835 5634 6379 | Efficiency [%] 79.15 80.76 80.79 81.65 81.97 82.17 80.87 | 92°C Efficience [gf/W] 14.8 13.5 12.1 11.1 9.4 8.6 8.2 |
| 30 35 40 45 50 55 60 65 70 | Voltage [V] 48.2 48.19 48.18 48.16 48.15 48.09 48.07 48.03 47.96 | Current [A] 2.37 3.35 4.64 6.22 8.23 10.7 13.68 16.26 19.89 | Input Power (W) 113.4 160.8 223.0 298.9 395.6 513.9 656.9 780.3 | Output Power [W] 89.8 130.0 180.3 244.2 324.5 422.6 531.5 641.4 754.2 | Torque [N×m] 0.587 0.744 0.923 1.139 1.369 1.635 1.915 2.168 2.409 | RPIM 1462 1669 1865 2049 2263 2468 2650 2825 2990 | Thrust [87] 1684 2174 2714 3324 3996 4835 5634 6379 7071 | Fficiency [%] 79.15 80.76 80.79 81.65 81.97 82.17 80.87 82.17 79.08 | 92°C Efficient [sf/W] 14.8 13.5 12.1 11.1 9.4 8.6 8.2 7.4 |
| 30 35 40 45 50 55 60 65 70 75 | Voltage [V] 48.2 48.19 48.18 48.16 48.15 48.09 48.07 48.03 47.96 47.95 | Current [A] 2.37 3.35 4.64 6.22 8.23 10.7 13.68 16.26 19.89 23.94 | Input Power (W) 113.4 160.8 223.0 298.9 395.6 513.9 656.9 780.3 953.4 | Output Power [W] 89.8 130.0 180.3 244.2 324.5 422.6 531.5 641.4 754.2 878.6 | Torque [N×m] 0.587 0.744 0.923 1.139 1.369 1.635 1.915 2.168 2.409 2.677 | RPM 1462 1669 1865 2049 2263 2468 2650 2825 2990 3134 | Thrust [sf] 1684 2174 2714 3324 3996 4835 5634 6379 7071 7861 | Friciency [%] 79.15 80.76 80.79 81.65 81.97 82.17 80.87 62.17 79.08 76.54 | 92°C Efficient [sf/W] 14.8 13.5 12.1 11.1 10.1 9.4 8.6 8.2 7.4 6.8 |
| 30 35 40 45 50 55 60 65 70 75 | Voltage [V] 48.2 48.19 48.18 48.16 48.15 48.09 48.07 48.03 47.96 47.95 47.84 | Current [A] 2.37 3.35 4.64 6.22 8.23 10.7 13.68 16.26 19.89 23.94 26.3 | Input Power [W] 113.4 160.8 223.0 298.9 395.6 513.9 760.3 953.4 1147.4 1258.0 | Output Power [W] 89.8 130.0 180.3 244.2 324.5 422.6 531.5 641.4 754.2 878.6 1015.0 | Torque [N+m] 0.587 0.744 0.923 1.139 1.369 1.635 2.168 2.409 2.677 2.952 | RPM 1462 1669 1865 2049 2263 2468 2650 2825 2990 3134 | Thrust (80) 1684 2174 2714 3324 3996 4835 5634 6379 7071 7861 8631 | Friciency [%] 79.15 80.76 80.79 81.65 81.97 82.17 80.87 82.17 79.08 76.54 80.65 | 92°C Efficient [sf/W] 14.8 13.5 12.1 11.1 9.4 8.6 8.2 7.4 6.8 6.9 |

Our Services

The above data are the theoretical values when the input voltage is 48V, for reference only. In the case of room temperature of 25°C and no additional cooling device, the current over 41A is non-working zone, 16-41A is short-term (about 10-30s), working zone, and below 16A is sustainable working zone in actual use, please control the motor running time according to the working environment temperature and dissipation conditions.

3,881

3.854

3731

11268

74,63

1516.2

1498.6

47.59

47.57

42.68

2030.3

1937.0

- 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