



## FPV SPARK XC2407 Brushless DC Motor First-Person View

### Our Product Introduction

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#### Basic Information

- Place of Origin: Guangdong, China
- Brand Name: GS
- Model Number: XC2407 1900KV-6S 2600KV - 4S
- Price: Negotiable
- Delivery Time: 6-8
- Payment Terms: T/T
- Supply Ability: 100



#### Product Specification

- Motor Model: Spark Fs2407 V1.0
- Motor Size: D:29 X 32.3 Mm
- Propeller Mounting Holes: M5 Nut
- Shaft Diameter: IN: 4 Mm
- Bearing: 686ZZ\*2/696ZZ
- Rotor Balance: ≤5mg
- Motor Balance: D:16 M3x4
- Cable Length: 150 Mm 20# Awg(Black) Silicone
- Motor Number Of Slots: 12N14P
- Highlight: **XC2407 Brushless DC Motor ,  
FPV Brushless DC Motor ,  
First-Person View Brushless DC Motor**



#### More Images



## FPV SPARK XC2407 Brushless DC Motor First-Person View

The FS series of MAD FPV brushless motors is designed for freestyle flying. The development process involved six months of rigorous testing, resulting in refined aesthetics and functionality.

The main difference between the FS and BSC series is the superior quality of the materials used.

1. titanium shaft;
2. 0.15mm silicon steel sheet;
3. High temperature magnets;
4. Secondary anodizing.

# XC2407

ENERGY EFFICIENT 1900KV  
ENTHUSIASTS EXTREME EDITION

OPTIMIZED WEIGHT 39.7g

2.13kgf

1125W  
MAXIMUM POWER

MAXIMUM THRUST  
MAXIMUM THRUST MAY DEPEND ON  
FACTORS SUCH AS PROPELLER TYPE,  
AIR PRESSURE AND OTHER CONDITIONS.

EFFICIENCY >2.0 gf/w



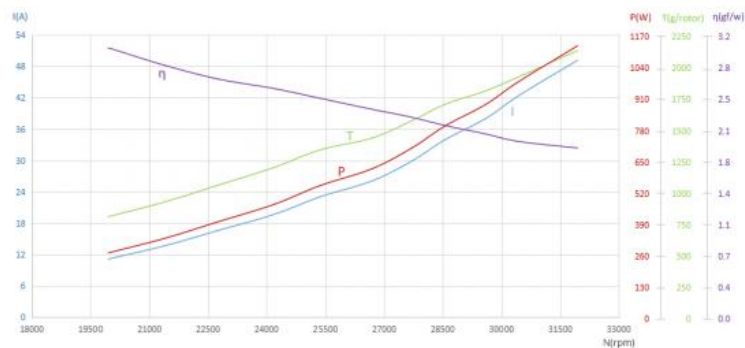
MAD Spark XC2407 EEE 1900KV 5055\*3

3~6S

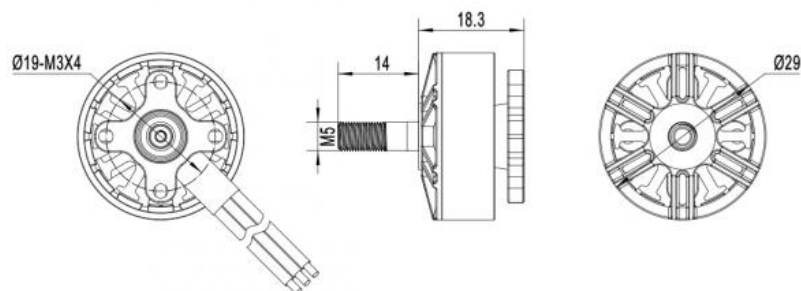
### Analytical Graph of Motor Operation

I – Current, P – Input Power,  $\eta$  – Electrical Efficiency, T – Thrust, N – Rotational Speed

The data above was measured with an input voltage of 12~24 V, at a temperature of 25°C and sea level. The rotational speed was adjusted by the throttle.



Specifications			
RPM/V	1900 KV	Nominal Voltage	3S-6S lipo battery
No Load Current	1.7A	Internal resistance	42mΩ
Motor Weight	39.7 g	Product Boxed Weight	-
Maximum Current	49.18A	Maximum Power	1125W
Maximum thrust	2.13 kg	Recommended Propellers	5055*3



The above data are the theoretical values when the input voltage is 24V, for reference only. In the case of room temperature of 25°C and no additional cooling device, the current over 49A is non-working zone, 17-49A is short-term (about 8-28S), working zone, and below 17A is sustainable working zone. In actual use, please control the motor running time according to the working environment temperature and heat dissipation conditions.

# XC2407

ENERGY EFFICIENT 2200KV  
ENTHUSIASTS EXTREME EDITION

OPTIMIZED  
WEIGHT 39.7g

2.04 kgf

929W  
MAXIMUM POWER

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

EFFICIENCY >2.4 gf/w



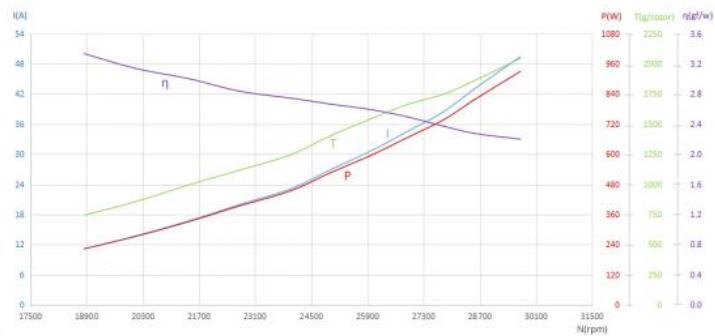
MAD Spark XC2407 2200KV 6042\*3

3~5S 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 12-20 V, at a temperature of 25°C and sea level. The rotational speed was adjusted by the throttle.



## Specifications

RPM/V	2200 KV	Nominal Voltage	3S-5S lipo battery
No Load Current	1.9A	Internal resistance	35mΩ
Motor Weight	39.7 g	Product Boxed Weight	-
Maximum Current	49.42A	Maximum Power	929W
Maximum thrust	2.04 kg	Recommended Propellers	5055*3, 6042*3

MAD Spark XC2407 EEE 2200KV 5055\*3

3~5S

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	RPM	Thrust [gf]	Efficiency [gf/W]	MAX
50	19.89	11.18	222.4	18837	711	3.2	94°C
55	19.84	13.81	274.0	20109	824	3.0	
60	19.79	16.49	326.3	21497	913	2.8	
65	19.72	19.75	389.5	22715	1037	2.7	
70	19.64	23.02	452.1	23985	1160	2.6	
75	19.53	26.79	523.2	24988	1294	2.5	
80	19.42	30.24	587.3	26019	1395	2.4	
85	19.29	34.03	656.4	26955	1498	2.3	
90	19.16	37.86	725.4	27801	1596	2.2	
95	19.01	41.79	794.4	28559	1668	2.1	
100	18.87	48.37	912.7	29711	1874	2.1	

MAD Spark XC2407 EEE 2200KV 6042*3							3~5S
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	RPM	Thrust [gf]	Efficiency [gf/W]	MAX
50	19.91	11.2	223.0	18838	744	3.3	101℃
55	19.86	13.71	272.3	20110	855	3.1	
60	19.8	16.87	334.0	21498	1000	3.0	
65	19.73	19.98	394.2	22716	1118	2.8	
70	19.66	23.11	454.3	23986	1246	2.7	
75	19.55	26.95	526.9	24989	1404	2.7	
80	19.42	30.79	597.9	26020	1548	2.6	
85	19.29	34.78	670.9	26956	1669	2.5	
90	19.16	38.49	737.5	27802	1748	2.4	
95	19	42.97	816.4	28560	1859	2.3	
100	18.81	49.42	929.6	29712	2044	2.2	
The above data are the theoretical values when the input voltage is 20 V, for reference only. In the case of room temperature of 25℃ and no additional cooling device, the current over 49A is non-working zone, 20-49A is short-term (about 8-28S), working zone, and below 20A is sustainable working zone. In actual use, please control the motor running time according to the working environment temperature and heat dissipation conditions.							

# XC2407

ENERGY EFFICIENT 2500KV  
ENTHUSIASTS EXTREME EDITION

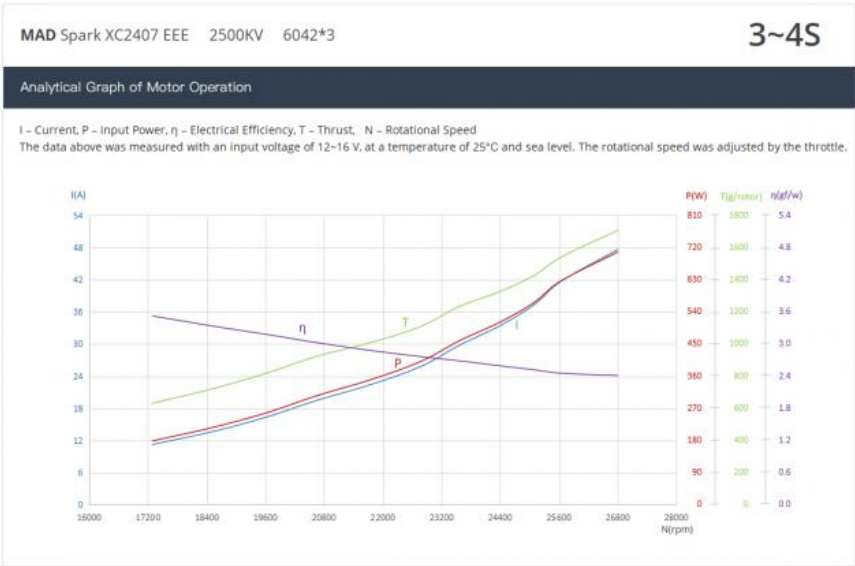
OPTIMIZED WEIGHT 39.7g

1.71 kgf

707W  
MAXIMUM POWER

MAXIMUM THRUST  
MAXIMUM THRUST MAY DEPEND ON  
BATTERY LEAD LENGTH, LOAD, ALTITUDE, TEMPERATURE,  
AND PRESSURE AND OTHER CONDITIONS

EFFICIENCY >2.4 gf/w





Specifications							
RPM/V	2500 KV		Nominal Voltage		3S-4S lipo battery		
No Load Current	2.5A		Internal resistance		32mΩ		
Motor Weight	39.7 g		Product Boxed Weight		-		
Maximum Current	47.63A		Maximum Power		707W		
Maximum thrust	1.71 kg		Recommended Propellers		5055*3, 6042*3		

MAD Spark XC2407 EEE 2500KV 5055*3					3~4S		
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	RPM	Thrust [gf]	Efficiency [gf/W]	MAX
50	15.87	11.11	176.3	17332	600	3.4	75°C
55	15.81	13.57	214.5	18575	684	3.2	
60	15.75	16.1	253.6	19788	759	3.0	
65	15.69	19.02	298.4	20816	851	2.9	
70	15.63	22.31	348.7	21790	953	2.7	
75	15.54	25.58	397.5	22958	1018	2.6	
80	15.44	29.14	449.9	23814	1128	2.5	
85	15.31	33.02	505.5	24527	1231	2.4	
90	15.19	36.81	559.1	25263	1313	2.3	
95	15.06	40.41	608.6	25967	1371	2.3	
100	14.9	46.68	695.5	27117	1525	2.2	

MAD Spark XC2407 EEE 2500KV 6042*3					3~4S		
Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	RPM	Thrust [gf]	Efficiency [gf/W]	MAX
50	15.89	11.28	179.2	17292	632	3.5	81°C
55	15.83	13.77	218.0	18564	726	3.3	
60	15.72	16.47	258.9	19651	822	3.2	
65	15.67	19.46	304.9	20642	923	3.0	
70	15.61	22.5	351.2	21773	1011	2.9	
75	15.54	25.92	402.8	22801	1113	2.8	
80	15.42	29.82	459.8	23576	1235	2.7	
85	15.3	33.43	511.5	24399	1327	2.6	
90	15.17	37.3	565.8	25088	1426	2.5	
95	15.04	41.46	623.6	25607	1533	2.5	
100	14.85	47.63	707.3	26803	1707	2.4	

The above data are the theoretical values when the input voltage is 16V, for reference only. In the case of room temperature of 25°C and no additional cooling device, the current over 48A is non-working zone, 19-48A is short-term (about 8-28S), working zone, and below 19A is sustainable working zone. In actual use, please control the motor running time according to the working environment temperature and heat dissipation conditions.

## 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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