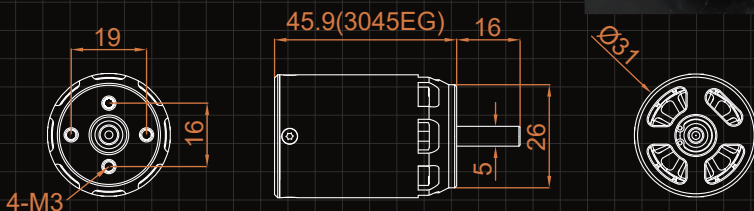


Dimension 尺寸图

Xmotor 3045EG

EG Capsuled series outrunner w/ housing,
rear wire outlet!!

CAPSULED



Specification 参数

NAME 型号	XM3045EG-8	XM3045EG-10	XM3045EG-12
SKU 商品编码	52197	52198	52199
RPM / V (KV) KV值	1250	1000	820
Weight (g) 重量	120g w/o plugs 不含插头		
Diameter (mm) 直径	D: Front Face 前端 26, body 后端 31		
Length (mm) 长度	L: 45.9, 61.9 incl. shaft 含轴		
Diameter of Shaft(mm) 轴径	5, hollow 空心轴		
Pitch of holes (mm) 安装孔距	A:16, B:19		
Input Connectors 输入插头	3x GC3.5		
Slots & Poles 槽数, 极数	12N14P		
I _o @10V(A)空载电流	1.75	1.27	0.90
Resistance(Ri)(mOhm) 电机内阻	24	34.2	50.5
No. of Cells(LiPo) 适用电池	3..4 ¹	4..5 ¹	5..6 ¹
Max. Efficiency Current(A) 效率电流	25	21	18
Max. Burst Current (15S)[A] 峰值电流	49	42	36
Max. Power (15S)[W] 峰值功率	725	777	799
Torque (mNM) 扭矩	470	500	520
Recommended ESC 推荐调速器	XC6018BA-V2 or XC-65-Lite 15° (Middle)	XC6018BA-V2 or XC-65-Lite 15° (Middle)	XC4018BA-V2 15° (Middle)
Propeller 螺旋桨* (Glider use scene 滑翔机使用场景)	3S: 11x7E, 12x6E, 12x6.5E, 13x6.5E ² 4S ¹ : 10x6E, 10x7E, 11x5E ² , 11x6E ²	4S: 11x7E, 12x6E, 12x6.5E, 13x6.5E ² 5S ¹ : 10x6E, 10x7E, 11x5E, 11x6E ²	5S: 11x7E, 12x6E, 12x6.5E ² , 13x6.5E ² 6S ¹ : 10x6E, 10x7E, 11x5E, 11x6E ²
Applications 适用级别	Windy version (more power) for the FAI F5J Three KV values are suitable for 4S to 6S batteries		

注: ¹ Suggested working voltage(NOC) 建议工作电压(串联节数)

² Good throttle management needed 可在有效控制油门的情况下使用

* Recommend CAM Type-Z folding propellers 推荐使用 CAM Z型螺旋桨

11.1V

XM3045EG-8 (1250KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



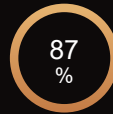
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

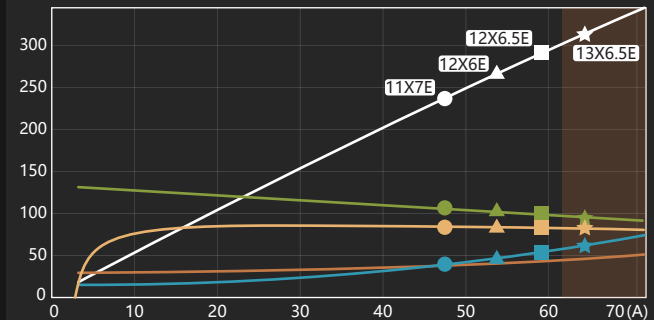
EL.POWER 电功率 [IN 2W] ■

EFFICIENCY 效率 [%] ■

MAX. REVOLUTIONS
转速 [IN 100RPM] ■

WASTE POWER
损耗功率 [IN 2W] ■

MOTOR CASE TEMP.
马达壳体温度 [°C] ■



Voltage
电压
(V)

Propeller
螺旋桨
(RPM)

Throttle
油门
(%)

Current
电流
(A)

el. Power
输入功率
(W)

Efficiency
效率
(%)

Thrust
静拉力
(g)

Spec. Thrust
螺旋桨效率
(g/W)

11x7E

6400	53	9.6	103.6	85.3	818	7.9
8000	70	19.1	201.9	85.5	1278	6.3
8800	78	25.8	269.5	85.3	1547	5.7
9600	88	34.3	351.4	84.9	1841	5.2
10515	100	46.9	468	84.1	2209	4.7
爬升电流, Climb amp 37.6						

12x6E

6300	54	11.6	124	84.8	902	7.3
7700	69	21.6	227.3	84.5	1347	5.9
8400	77	28.7	296.5	84.1	1603	5.4
9100	86	37.3	379.2	83.6	1882	5
10093	100	53.7	526.4	82.5	2315	4.4
爬升电流, Climb amp 43						

12x6.5E

6300	55	13.8	147.2	84.1	981	6.7
7700	71	26.1	271.4	83.3	1465	5.4
8400	80	34.8	354.9	82.7	1744	4.9
9100	89	45.6	454.8	82.1	2047	4.5
9762	100	59	570.6	81.1	2355	4.1
爬升电流, Climb amp 47.2						

13x6.5E

5400	52	13.2	132.4	82.4	927	7
6600	67	25.2	245.1	81.3	1386	5.7
7200	75	33.7	321.2	80.6	1649	5.1
7800	85	44.3	412.5	79.8	1935	4.7
8626	100	64.2	570.5	78.3	2367	4.1
爬升电流, Climb amp 51.4						

11.1V
(3S LIPO)

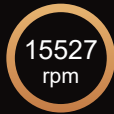
14.8V

XM3045EG-8 (1250KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



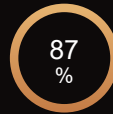
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

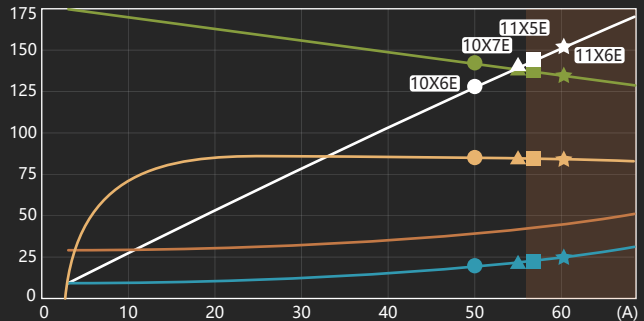
EL.POWER 电功率 [IN 5W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS
转速 [IN 100RPM]

WASTE POWER
损耗功率 [IN 5W]

MOTOR CASE TEMP.
马达壳体温度 [°C]



Voltage 电压 (V)	Propeller 螺旋桨 (RPM)	Throttle 油门 (%)	Current 电流 (A)	el. Power 输入功率 (W)	Efficiency 效率 (%)	Thrust 静拉力 (g)	Spec. Thrust 螺旋桨效率 (g/W)
10x6E							
	8800	54	10.4	150.3	86.6	969	6.5
	11000	70	20.7	292.2	87	1514	5.2
	12100	79	28.1	389.4	86.9	1832	4.7
	13200	89	37.3	507	86.7	2181	4.3
	14376	100	50.1	663.8	85.8	2587	3.9
	爬升电流 Climb amp		40.1				
10x7E							
	9000	56	13.2	189.4	86.7	1195	6.3
	11000	72	24.8	346.2	86.5	1785	5.2
	12000	80	32.9	450.9	86.3	2124	4.7
	13000	90	42.9	575.7	85.9	2493	4.3
	13984	100	55.6	727.2	85	2884	4
	爬升电流 Climb amp		44.5				
11x5E							
	8000	50	9.6	138.5	86.3	910	6.6
	11000	72	25.8	359.9	86.4	1721	4.8
	12000	81	34.3	468.9	86.1	2048	4.4
	13000	90	44.8	598.9	85.7	2404	4
	13892	100	56.9	741.8	84.8	2745	3.7
	爬升电流 Climb amp		45.5				
11x6E							
	8100	55	14.4	191.8	85.9	1112	5.8
	9900	71	27.1	352.3	85.3	1661	4.7
	10800	80	36.1	459.8	84.9	1977	4.3
	11700	90	47.4	588.3	84.4	2320	3.9
	12523	100	61	733.3	83.4	2658	3.6
	爬升电流 Climb amp		48.8				

14.8V
(4S LIPO)

14.8V

XM3045EG-10 (1000KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



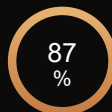
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

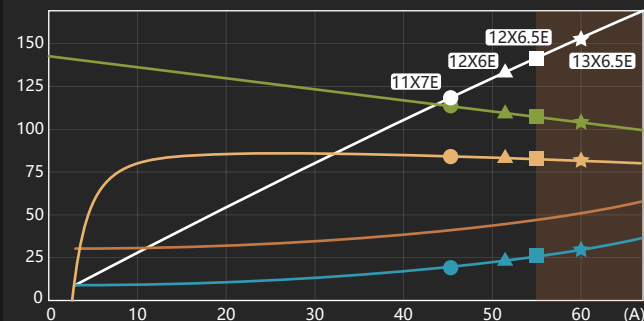
EL.POWER 电功率 [IN 5W] ■

EFFICIENCY 效率 [%] ■

MAX. REVOLUTIONS
转速 [IN 100RPM] ■

WASTE POWER
损耗功率 [IN 5W] ■

MOTOR CASE TEMP.
马达壳体温度 [°C] ■



Voltage
电压
(V)

Propeller
螺旋桨
(RPM)

Throttle
油门
(%)

Current
电流
(A)

el. Power
输入功率
(W)

Efficiency
效率
(%)

Thrust
静拉力
(g)

Spec. Thrust
螺旋桨效率
(g/W)

11x7E

6400	50	7.7	111.7	85.7	818	7.3
8800	72	20.6	290.9	85.5	1547	5.3
9600	81	27.3	379.5	85.1	1841	4.9
10400	90	35.5	485.1	84.7	2161	4.5
11205	100	46.1	616.2	83.7	2508	4.1
爬升电流 Climb amp 36.9						

12x6E

6400	51	9.7	140.1	85.2	931	6.6
8000	67	19.5	275.6	84.6	1454	5.3
8800	75	26.5	369.2	84.1	1760	4.8
9600	85	35.4	482.9	83.4	2094	4.3
10754	100	52.7	693.7	82	2628	3.8
爬升电流 Climb amp 42.2						

12x6.5E

6400	52	10.6	153	84.8	1012	6.6
8000	68	21.5	301.9	84	1582	5.2
8800	77	29.3	405	83.3	1914	4.7
9600	86	39.2	530.3	82.6	2278	4.3
10574	100	55.3	723.8	81.3	2764	3.8
爬升电流 Climb amp 44.3						

13x6.5E

5600	49	10.9	146.2	83.3	997	6.8
7000	65	22.1	290.2	82	1559	5.4
7700	74	30.3	390.2	81.1	1886	4.8
8400	84	40.7	512.3	80.2	2244	4.4
9362	100	60.5	727.6	78.6	2788	3.8
爬升电流 Climb amp 48.4						

14.8V
(4S LIPO)

18.5V

XM3045EG-10 (1000KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



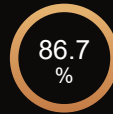
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

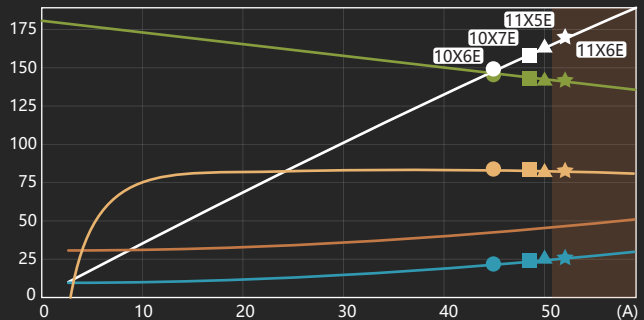
EL.POWER 电功率 [IN 5W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS
转速 [IN 100RPM]

WASTE POWER
损耗功率 [IN 5W]

MOTOR CASE TEMP.
马达壳体温度 [°C]



Voltage 电压 (V)	Propeller 螺旋桨 (RPM)	Throttle 油门 (%)	Current 电流 (A)	el. Power 输入功率 (W)	Efficiency 效率 (%)	Thrust 静拉力 (g)	Spec. Thrust 螺旋桨效率 (g/W)	
18.5V (5S LIPO)	10x6E							
		8800	54	9	162.2	86.9	969	6
		11000	70	17.8	315.9	87.1	1514	4.8
		12100	78	24	421.2	87	1832	4.3
		13200	87	31.8	548.6	86.7	2181	4
		14584	100	44.7	751.4	85.7	2662	3.5
		爬升电流, Climb amp		35.8				
	10x7E							
		9000	56	11.4	204.5	86.9	1195	5.8
		11000	71	21.2	374.3	86.7	1785	4.8
		12000	79	28.1	487.6	86.4	2124	4.4
		13000	88	36.5	622.7	86	2493	4
		14205	100	49.8	826.5	84.9	2976	3.6
		爬升电流, Climb amp		39.9				
	11x5E							
		8800	54	10.2	183.2	86.9	1102	6
	11000	71	20.3	358.1	86.8	1721	4.8	
	12100	79	27.5	478.3	86.5	2083	4.4	
	13200	89	36.5	623.7	86.1	2479	4	
	14305	100	48.4	806.8	85.2	2911	3.6	
	爬升电流, Climb amp		38.8					
11x6E								
	8100	54	11.3	190.7	86.4	1112	5.8	
	9900	69	21.2	349.7	86	1661	4.7	
	10800	77	28	456.2	85.6	1977	4.3	
	11700	86	36.5	583.1	85.1	2320	4	
	12942	100	52.3	804.8	83.9	2839	3.5	
	爬升电流, Climb amp		41.9					

18.5V

XM3045EG-12 (820KV)

Motor @ Optimum Efficiency 优化效率点



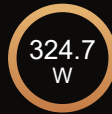
Current
电流



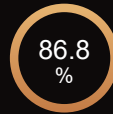
Revolutions
转速



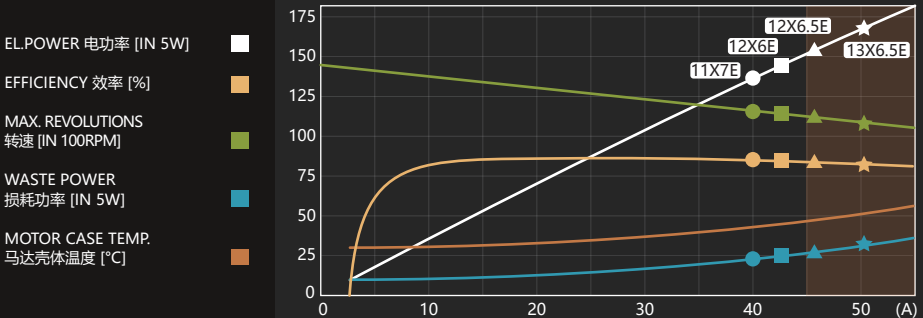
electric Power
电功率



mech. Power
机械功率



Efficiency
效率



Voltage 电压 (V)	Propeller 螺旋桨 (RPM)	Throttle 油门 (%)	Current 电流 (A)	el. Power 输入功率 (W)	Efficiency 效率 (%)	Thrust 静拉力 (g)	Spec. Thrust 螺旋桨效率 (g/W)
11x7E							
	7200	55	8.7	158.3	86.1	1036	6.5
	8800	70	16.3	290.5	85.7	1547	5.3
	9600	78	21.5	378.9	85.3	1841	4.9
	10400	86	27.8	484.6	84.8	2161	4.5
	11611	100	40.6	687.8	83.5	2693	3.9
	爬升电流, Climb amp		32.5				
12x6E							
	7200	56	9.7	174.9	85.8	1157	6.6
	8800	71	18.1	321.8	85.1	1729	5.4
	9600	79	24	420.3	84.6	2057	4.9
	10400	88	31.1	538.1	84	2415	4.5
	11418	100	43.1	726.3	82.8	2910	4
	爬升电流, Climb amp		34.5				
12x6.5E							
	7200	56	10.8	194.6	85.3	1281	6.6
	8800	72	20.3	359.3	84.4	1914	5.3
	9600	80	27	470	83.8	2278	4.8
	10400	90	35.2	602.4	83.1	2673	4.4
	11206	100	45.9	768.2	81.9	3104	4
	爬升电流, Climb amp		36.7				
13x6.5E							
	6300	54	11	186	83.7	1262	6.8
	7700	69	20.9	345	82.4	1886	5.5
	8400	78	27.8	452.3	81.6	2244	5
	9100	87	36.4	581	80.8	2634	4.5
	9966	100	50.5	781.3	79.3	3159	4
	爬升电流, Climb amp		40.4				

18.5V
(5S LIPO)

22.2V

XM3045EG-12 (820KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



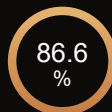
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

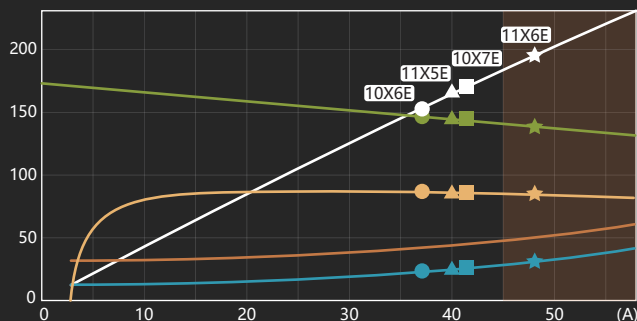
EL.POWER 电功率 [IN 5W] ■

EFFICIENCY 效率 [%] ■

MAX. REVOLUTIONS
转速 [IN 100RPM] ■

WASTE POWER
损耗功率 [IN 5W] ■

MOTOR CASE TEMP.
马达壳体温度 [°C] ■



Voltage
电压
(V)

Propeller
螺旋桨
(RPM)

Throttle
油门
(%)

Current
电流
(A)

el. Power
输入功率
(W)

Efficiency
效率
(%)

Thrust
静拉力
(g)

Spec. Thrust
螺旋桨效率
(g/W)

10x6E

8800	54	7.4	162	87	969	6
11000	70	14.7	315.7	87.2	1514	4.8
12100	78	19.8	421.2	87	1832	4.4
13200	87	26.1	548.6	86.7	2181	4
14626	100	36.9	758.5	85.6	2677	3.5
爬升电流, Climb amp 29.5						

10x7E

8000	50	6.6	143.7	86.8	944	6.6
11000	71	17.5	374	86.7	1785	4.8
12000	79	23.1	487.4	86.4	2124	4.4
13000	88	29.9	622.5	86	2493	4
14273	100	41.2	838.9	84.9	3005	3.6
爬升电流, Climb amp 33						

11x5E

8800	55	8.4	182.9	87	1102	6
11000	71	16.7	357.9	86.9	1721	4.8
12100	80	22.6	478.1	86.6	2083	4.4
13200	89	29.9	623.6	86.2	2479	4
14366	100	40.1	817.7	85.1	2936	3.6
爬升电流, Climb amp 32.1						

11x6E

8000	51	8.4	183.3	86.5	1085	5.9
11000	74	22.8	482.1	85.6	2051	4.3
12000	83	30.3	629.9	85	2441	3.9
13000	92	39.5	806.6	84.4	2864	3.6
13711	100	48.1	963.2	83.4	3186	3.3
爬升电流, Climb amp 38.5						

22.2V
(6S LIPO)