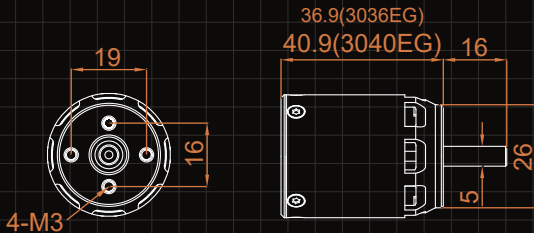


Dimension 尺寸图

Xmotor 30EG

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



Specification 参数

NAME 型号	XM3036EG-8	XM3036EG-11	XM3040EG-7	XM3040EG-9	XM3040EG-14
SKU 商品编码	52005	52006	52007	52008	52009
RPM / V (KV) KV值	1900	1370	1850	1350	860
Weight (g) 重量	89			104	
Diameter (mm) 直径	D: Front Face 26, body 31			D: Front Face 26, body 31	
Length (mm) 长度	L: 36.9, 52.9 incl. shaft			L: 40.9, 56.9 incl. shaft	
Diameter of Shaft(mm) 轴径	5, hollow			5, hollow	
Pitch of holes (mm) 安装孔距	A:16, B:19			A:16, B:19	
Input Connectors 输入插头	GC3.5			GC3.5	
Slots & Poles 槽数, 极数	12N14P			12N14P	
I _o @10V(A)空载电流	2.6	1.5	3.0	1.9	0.9
Resistance(Ri)(mOhm) 电机内阻	17.5	33.5	15	29	54
No. of Cells(LiPo) 适用电池	2..3	3	2	3	3..4
Max. Efficiency Current(A) 效率电流	20	16	24	18	15
Max. Burst Current (30S)[A] 峰值电流	40	31	47	35	30
Max. Power(30S)[W] 峰值功率	320	372	376	420	360
Torque (mNM) 扭矩	250	270	300	310	420
Recommended ESC 推荐调速器	XC4018BA-V2 or XC-45-Lite	XC4018BA-V2 or XC-45-Lite	XC6018BA-V2 or XC-65-Lite	XC4018BA-V2 or XC-45-Lite	XC4018BA-V2 or XC-45-Lite
Propeller 螺旋桨 (Glider use scene 滑翔机使用场景)	2S ¹ : 9x6E, 10x5E ² , 10x6E ² 3S: 7x5E, 8x5E ² , 8x6E ²	3S ¹ : 9x6E, 10x6E ² , 10x8E ²	2S ¹ : 10x6E, 10x8E ² , 11x6E ² , 11x8E ²	3S: 10x6, 10x8 ² , 11x6 ² , 11x8 ² , 12x6 ² , 12x7 ² , 13x5 ²	3S: 14x6E ² , 14x8E ² , 15x8E ² 4S ¹ : 11x8E ² , 12x6E ² , 12x7E ²
Applications 适用级别	Fast launch gliders: Up to 700 g, For example: ASFC P5B	Up to 1600 grams for regular gliders	For up to 800g fast launch gliders, For example: ASFC P5B	For up to 1800 grams thermal gliders, For example: FAI F5J	High torque version to spin large propeller.

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

7.4V

XM3036EG-8 (1900KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



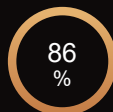
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

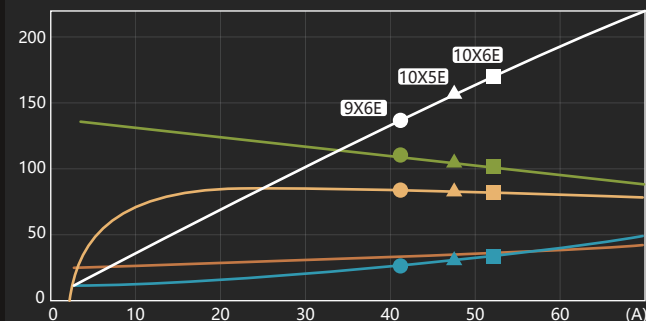
EL. POWER 电功率 [IN 2W]

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]

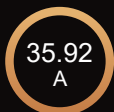


Voltage 电压 (V)	Propeller 螺旋桨 (RPM)	Throttle 油门 (%)	Current 电流 (A)	el. Power 输入功率 (W)	Efficiency 效率 (%)	Thrust 静拉力 (g)	Spec. Thrust 螺旋桨效率 (g/W)
7.4V (2S LIPO)	9x6E						
	6400	52	7.5	53.9	82.9	482	8.9
	7200	59	10.5	75.8	83.9	610	8
	8000	67	14.5	103.3	84.5	753	7.3
	9600	83	25.4	177.9	84.8	1085	6.1
	10400	92	32.7	226.4	84.7	1273	5.6
	11086	100	40.5	276.3	84.2	1446	5.2
	10x5E						
	6400	53	9.5	68.2	83.2	551	8.1
	7200	61	13.5	96.5	83.7	697	7.2
	8000	69	18.7	132.1	83.9	861	6.5
	8800	78	25.2	176.1	83.8	1042	5.9
	9600	87	33.2	229.3	83.5	1240	5.4
	10661	100	47.2	317.8	82.7	1529	4.8
	10x6E						
	6300	53	10.9	78.3	82.9	641	8.2
	7000	61	15.1	107.2	83.1	791	7.4
	7700	68	20.3	142.8	83	957	6.7
	9100	84	34.6	237.5	82.4	1337	5.6
	9800	93	44.2	298.3	81.9	1550	5.2
10310	100	52.7	351.1	81.3	1716	4.9	

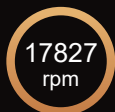
11.1V

XM3036EG-8 (1900KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



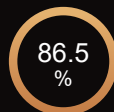
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

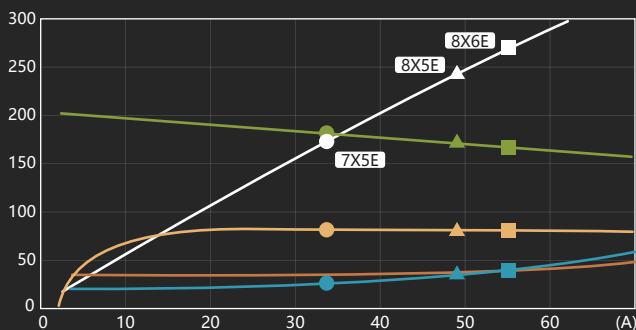
EL.POWER 电功率 [IN 2W]

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)
11.1V (3S LIPO)	7x5E						
	10400	54	6.5	70.9	82.4	499	7
	11700	61	9.1	99	84	632	6.4
	13000	69	12.4	134.1	85.1	780	5.8
	14300	76	16.5	176.9	85.9	944	5.3
	16900	93	27.4	289.3	86.7	1318	4.6
	18000	100	33.6	350.4	86.4	1495	4.3
	8x5E						
	9600	51	8.5	92.5	84.8	635	6.9
	10800	58	12.1	130.3	85.7	803	6.2
	13200	73	22.2	235.8	86.5	1200	5.1
	14400	81	29.2	305.9	86.5	1428	4.7
	15600	90	37.7	389.3	86.5	1676	4.3
	16868	100	49	497	85.9	1960	3.9
	8x6E						
	9600	52	10.2	110.4	85.3	762	6.9
	10800	59	14.5	156.1	85.9	964	6.2
	12000	67	20.1	213.5	86.1	1190	5.6
	14400	84	35.7	369.4	86	1714	4.6
	15600	93	46.3	471	85.8	2012	4.3
16407	100	55.3	554	85.1	2225	4	

11.1V

XM3036EG-11 (1370KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



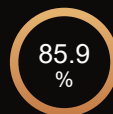
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

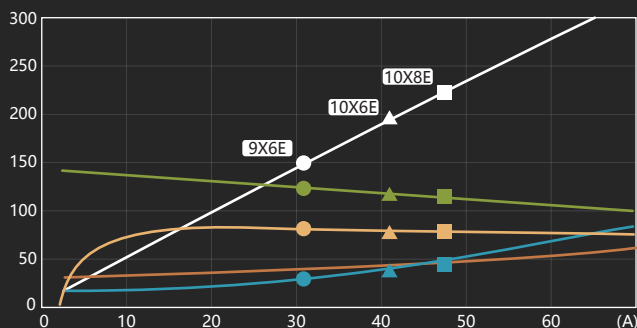
EL.POWER 电功率 [IN 2W]

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)
11.1V (3S LIPO)	9x6E						
	6400	51	5.2	53.4	83.6	482	9
	7200	58	7.4	75.3	84.4	610	8.1
	8800	72	13.5	136.6	85	911	6.7
	9600	80	17.6	177.4	85	1085	6.1
	10400	88	22.7	226.1	84.8	1273	5.6
	11459	100	31.2	306	84	1545	5
	10x6E						
	6400	53	8	81.6	83.5	661	8.1
	7200	61	11.4	116.1	83.5	837	7.2
	8000	69	15.9	159.7	83.3	1033	6.5
	8800	77	21.4	213.7	82.8	1250	5.9
	9600	86	28.4	279.3	82.3	1488	5.3
	10702	100	40.9	394.4	81	1849	4.7
	10x8E						
	6300	54	10.4	105.4	82.2	854	8.1
	7000	61	14.4	145.3	81.8	1055	7.3
	7700	69	19.5	194.7	81.2	1276	6.6
	8400	77	25.8	254.9	80.5	1519	6
	9100	86	33.6	327.1	79.8	1783	5.4
	10117	100	48.5	460.1	78.3	2203	4.8

7.4V

XM3040EG-7 (1850KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



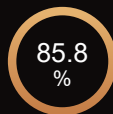
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

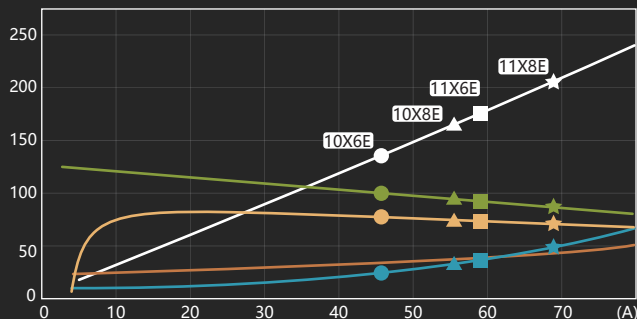
EL.POWER 电功率 [IN 2W] ■

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)

10x6E

5600	50	8.2	55.4	82.3	506	9.1
6300	57	11.6	78	83.3	641	8.2
7700	73	21.4	141	84.1	957	6.8
8400	81	28.1	183.1	84.1	1139	6.2
9100	90	36.3	233.2	83.9	1337	5.7
9831	100	47.1	296.5	83.4	1560	5.3

10x8E

5600	52	11	73.8	82.5	675	9.2
6300	60	15.7	104.5	82.8	854	8.2
7000	68	21.8	143.3	82.9	1055	7.4
7700	77	29.5	191.3	82.7	1276	6.7
8400	86	39.2	249.4	82.3	1519	6.1
9325	100	56.1	345.9	81.4	1872	5.4

7.4V
(2S LIPO)

11x6E

5600	53	12.1	81.2	82.3	674	8.3
6300	61	17.4	115.3	82.5	853	7.4
7000	69	24.3	158.4	82.3	1053	6.6
7700	78	33	211.8	82	1274	6
8400	88	43.9	276.6	81.5	1516	5.5
9151	100	59.2	362.4	80.6	1799	5

11x8E

5400	53	14.9	98.5	81	835	8.5
6000	60	20.7	135.6	80.8	1031	7.6
6600	68	28.1	181.4	80.3	1248	6.9
7200	77	37.4	237.3	79.8	1485	6.3
7800	86	49	304.3	79.1	1743	5.7
8589	100	69.2	413.8	77.9	2114	5.1

11.1V

XM3040EG-9 (1350KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



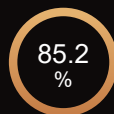
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

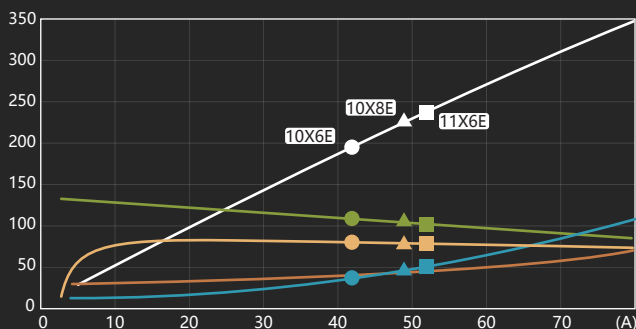
EL. POWER 电功率 [IN 2W]

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)

10x6E

6400	53	8	81.9	83.2	661	8.1
7200	60	11.4	115.9	83.6	837	7.2
8000	68	15.8	158.8	83.7	1033	6.5
8800	77	21.2	211.7	83.6	1250	5.9
9600	85	28	275.8	83.3	1488	5.4
10792	100	41.4	398.3	82.3	1880	4.7

10x8E

6300	54	10.3	104.9	82.6	854	8.1
7000	61	14.3	143.9	82.6	1055	7.3
7700	68	19.2	192.1	82.3	1276	6.6
8400	76	25.4	250.7	81.9	1519	6.1
9100	85	32.9	320.8	81.4	1783	5.6
10241	100	49.3	467.1	80	2258	4.8

11x6E

6300	54	11.4	115.7	82.2	853	7.4
7000	62	15.8	159.1	82	1053	6.6
7700	69	21.4	212.8	81.6	1274	6
8400	78	28.3	278.1	81.1	1516	5.5
9100	87	36.8	356.3	80.4	1779	5
10051	100	52.1	490.3	79.1	2171	4.4

11.1V
(3S LIPO)

11.1V

XM3040EG-9 (1350KV)

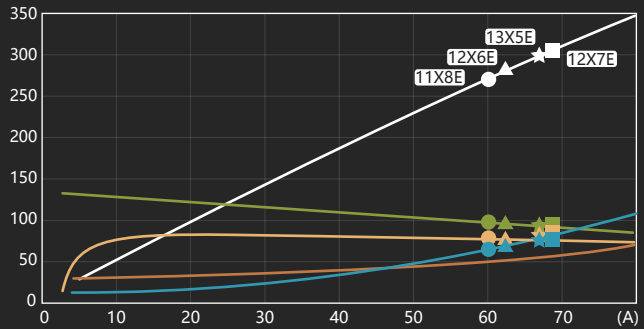
EL. POWER 电功率 [IN 2W] ■

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] ■

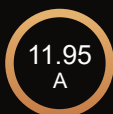


Voltage 电压 (V)	Propeller 螺旋桨 (RPM)	Throttle 油门 (%)	Current 电流 (A)	el. Power 输入功率 (W)	Efficiency 效率 (%)	Thrust 静拉力 (g)	Spec. Thrust 螺旋桨效率 (g/W)
11.1V (3S LIPO)	11x8E						
	5600	50	10.9	110.3	80.7	898	8.1
	6300	57	15.8	158	80.3	1137	7.2
	7000	65	22.1	218.6	79.6	1404	6.4
	7700	74	30.1	293.9	78.8	1699	5.8
	8400	84	40.2	386	77.9	2022	5.2
	9438	100	60.9	562.9	76.1	2552	4.5
	12x6E						
	5600	50	11.7	117.8	80.3	875	7.4
	6300	58	16.9	169	79.7	1107	6.6
	7000	66	23.7	234.1	78.9	1367	5.8
	7700	75	32.4	315.1	78	1654	5.2
	8400	85	43.5	414.3	77.1	1968	4.8
	9305	100	62.8	578.3	75.4	2415	4.2
	12x7E						
	6000	56	17.3	172.9	78.5	1172	6.8
	6600	64	23.6	232.6	77.7	1418	6.1
	7200	72	31.4	305.5	76.8	1687	5.5
	7800	80	41.2	393.4	75.8	1980	5
	8400	90	53.2	497.8	74.8	2297	4.6
	8959	100	67.8	617.5	73.5	2612	4.2
	13x5E						
	6000	56	17	169.7	78.7	1064	6.3
	6600	63	23.1	228.2	77.9	1288	5.6
	7200	71	30.8	299.7	77	1532	5.1
	7800	80	40.3	385.8	76	1798	4.7
	8400	89	52.1	488.1	75.1	2086	4.3
	8996	100	67.3	613.4	73.7	2392	3.9

11.1V

XM3040EG-14 (860KV)

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

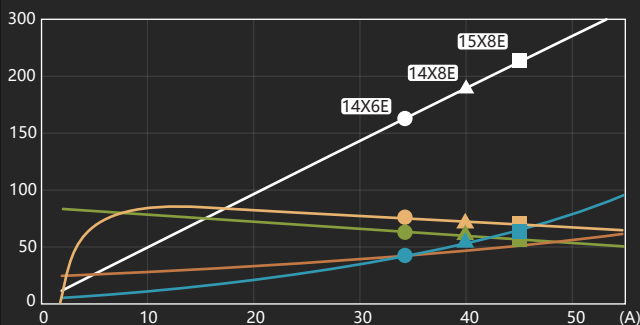
EL.POWER 电功率 [IN 2W]

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)
11.1V (3S LIPO)	14x6E						
	4000	55	7.8	79.3	80.6	709	8.9
	4400	62	10.4	106.1	80.1	858	8.1
	4800	69	13.7	138.8	79.5	1021	7.4
	5600	84	22.5	224.6	78	1389	6.2
	6000	92	28.3	279	77.2	1595	5.7
	6354	100	34.5	336.4	76.3	1788	5.3
	14x8E						
	3600	51	7.7	79	78.5	766	9.7
	4000	58	10.8	109.5	77.8	945	8.6
	4800	74	19.4	193.9	75.9	1361	7
	5200	82	25.2	249.9	74.9	1597	6.4
	5600	91	32.4	316.5	73.8	1852	5.9
	5958	100	40.3	388.4	72.7	2097	5.4
	15x8E						
	3600	55	10.7	108.6	75.3	942	8.7
	4000	62	15	151.4	74.1	1162	7.7
	4400	71	20.6	205.1	72.8	1406	6.9
	4800	80	27.5	271.1	71.5	1674	6.2
	5200	90	36.2	351.2	70.2	1964	5.6
5561	100	46.1	439.4	68.8	2247	5.1	

14.8V

XM3040EG-14 (860KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



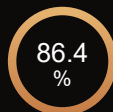
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

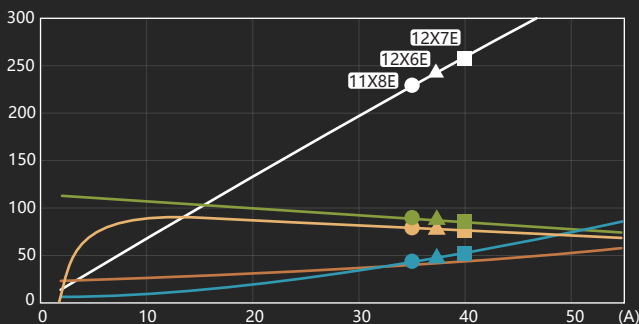
EL.POWER 电功率 [IN 2W]

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)
14.8V (4S LIPO)	11x8E						
	5400	53	6.9	95.1	84	835	8.8
	6000	60	9.6	130.6	83.9	1031	7.9
	6600	67	12.9	174.5	83.5	1248	7.2
	7800	83	21.9	291.7	82.5	1743	6
	8400	91	27.8	367.1	81.9	2022	5.5
	9022	100	35.5	462.3	80.8	2332	5
	12x6E						
	5400	54	7.4	101.3	83.7	813	8
	6000	61	10.2	139.3	83.5	1004	7.2
	6600	68	13.8	186.4	83.1	1215	6.5
	7800	83	23.5	312.1	81.9	1697	5.4
	8400	92	29.9	393	81.2	1968	5
	8924	100	36.9	478.7	80.3	2221	4.6
	12x7E						
	5400	55	8.8	119.4	82.8	949	7.9
	6000	62	12.2	164.8	82.4	1172	7.1
	6600	70	16.4	221	81.7	1418	6.4
	7200	78	21.7	289.5	81	1687	5.8
	7800	86	28.2	371.7	80.2	1980	5.3
	8664	100	40.4	521.4	78.7	2443	4.7