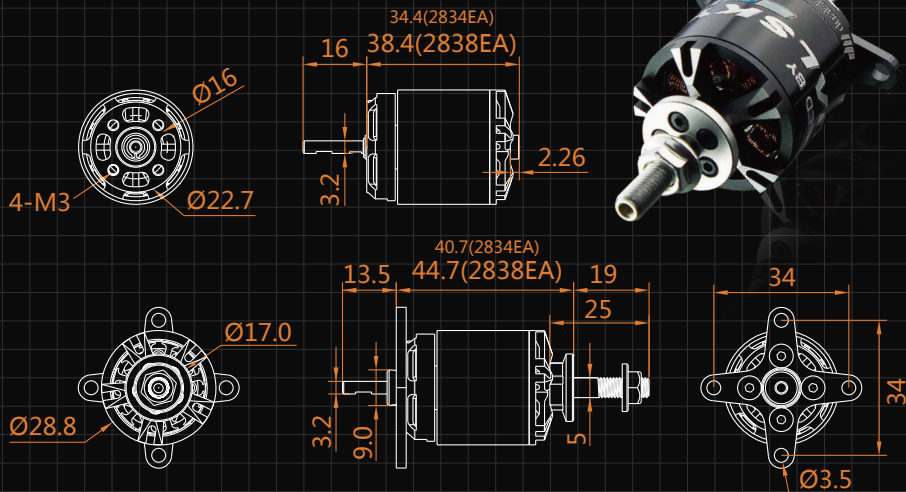


Dimension 尺寸图



Specification 规格

EA V3 SERIES	XM2838EA-10	XM2838EA-14	XM2838EA-20
SKU (商品编码)	51853	51854	51855
KV (KV值)	1250	860	600
Weight(g) (重量, 不含配件)	91	91	90
Dimensions(D x L)[mm] (尺寸)		28.8x38.4	
Diameter of Shaft (mm) (轴径)		3.175	
Spec. of Mounting Holes (安装孔距)		4-M3, 16/16	
Input Connectors (输入插头)		DB3	
Dimensions of Stator(mm) (定子尺寸)		2320	
Slots & Poles (槽数, 极数)		12N14P	
Ri(mOhm) (电机内阻)	29.6	54.0	113
Io@10V (A) (空载电流)	1.5	0.9	0.5
No.of Cells(LiPo) (适用电池)	2..3 ¹	3..4 ¹	5..6 ¹
Efficiency Current[A] (效率电流)	16.5	13.0	9.5
Burst Current (15S)[A] (峰值电流)	33	26	19
Peak Power(15S)[W] (峰值功率)	396	416	456
Peak Torque [N·M] (峰值扭矩)	0.32	0.36	0.38
Recommended ESC (推荐调速器)	XC4018BA	XC3012BA	XC2512BA
Recommended Propeller (螺旋桨)	2S: 12x7E	3S: 13x6.5E	5S: 12x6E
	3S ¹ : 10x5E, 11x6E ²	4S ¹ : 10x6E, 12x6E ²	6S ¹ : 10x5E, 11x6E ²
Application (适用级别)	15E Plus, 550 class .15-.21 2-stroke		

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

XM2838EA-10 (1250KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



Voltage
电压



Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

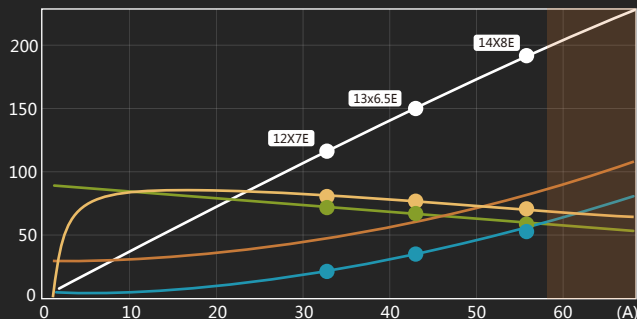
EL. POWER 电功率 [IN 2W]

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 转速 (RPM)	Throttle 油门 (%)	Current 电流 (A)	Volage 电压 (V)	el. Power 电功率 (W)	Efficiency 效率 (%)	Thrust 拉力 (g)	Spec. Thrust 桨效率 (g/W)
7.4V (2S LIPO)	12X7E							
	3500	44	4.6	7.4	33.2	81	399	12
	4000	52	6.8	7.3	49.2	81.7	521	10.6
	4500	59	9.7	7.3	69.9	81.9	659	9.4
	5000	67	13.3	7.3	96.2	81.7	814	8.5
	5500	75	18	7.3	128.6	81.3	985	7.7
	6000	83	23.6	7.2	168.1	80.7	1172	7
	6500	92	30.5	7.2	215.4	80.1	1375	6.4
	6926	100	37.7	7.1	263.8	79.3	1561	5.9
	13x6.5E							
	3500	46	5.9	7.4	42.8	80.5	471	11
	4000	53	8.8	7.3	63.9	80.5	615	9.6
	4500	61	12.7	7.3	91.3	80.2	778	8.5
	5000	70	17.6	7.3	126.2	79.6	961	7.6
5500	79	23.9	7.2	169.7	78.8	1162	6.9	
6000	88	31.7	7.2	222.7	78	1383	6.2	
6500	98	41.2	7.1	286.5	77	1623	5.7	
6604	100	43.6	7.1	302.6	76.6	1676	5.5	
14X8E								
3600	52	11.3	7.3	81.1	76.6	766	9.4	
4000	59	15.8	7.3	112.6	75.6	945	8.4	
4400	67	21.4	7.2	152	74.6	1144	7.5	
4800	75	28.5	7.2	200.3	73.4	1361	6.8	
5200	84	37.2	7.1	258.8	72.3	1597	6.2	
5600	93	47.9	7	328.5	71.1	1852	5.6	
5882	100	57	7	386.8	70.1	2043	5.3	

11.1V

XM2838EA-10 (1250KV)

Motor @ Optimum Efficiency 优化效率点

21.86
A

Current
电流

10.78
V

Voltage
电压

12172
rpm

Revolutions
转速

235.8
W

electric Power
电功率

204.3
W

mech. Power
机械功率

86.7
%

Efficiency
效率

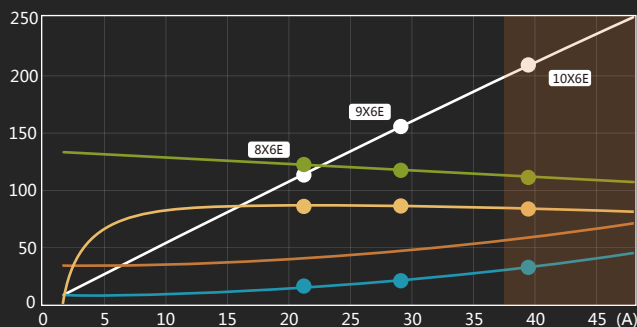
EL.POWER 电功率 [IN 2W]

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 转速 (RPM)	Throttle 油门 (%)	Current 电流 (A)	Voltage 电压 (V)	el. Power 电功率 (W)	Efficiency 效率 (%)	Thrust 拉力 (g)	Spec. Thrust 桨效率 (g/W)
----------------------	--------------------------	-----------------------	----------------------	----------------------	-------------------------	-------------------------	---------------------	------------------------------

8X6E

6300	49	3	11.1	33.3	79.9	328	9.9
7200	56	4.4	11.1	48.2	82.4	429	8.9
8100	64	6.1	11	67.2	84.1	542	8.1
9000	71	8.3	11	91	85.3	670	7.4
9900	79	11	11	120	86	810	6.8
10800	87	14.2	10.9	154.8	86.6	964	6.2
11700	95	18.1	10.9	196.1	86.9	1132	5.8
12233	100	20.8	10.9	224.8	86.6	1237	5.5

9X6E

6300	50	4.6	11	50.9	83.8	467	9.2
7200	58	6.8	11	74.7	85.2	610	8.2
8100	66	9.6	11	105.3	86	772	7.3
9000	74	13.2	10.9	143.8	86.4	953	6.6
9900	82	17.7	10.9	191	86.6	1153	6
10800	91	23.1	10.8	248	86.6	1373	5.5
11700	100	29.6	10.8	315.8	86.4	1611	5.1
11703	100	29.8	10.8	318.1	86	1612	5.1

10X6E

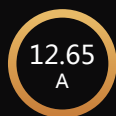
5600	45	4.9	11	54.2	84.1	506	9.3
6400	53	7.3	11	80.1	85	661	8.3
7200	60	10.4	11	113.5	85.4	837	7.4
8000	68	14.4	10.9	155.6	85.5	1033	6.6
8800	75	19.2	10.9	207.4	85.3	1250	6
9600	84	25.2	10.8	270.1	85.1	1488	5.5
10400	92	32.5	10.7	345	84.7	1746	5.1
11090	100	40.2	10.6	423.2	83.9	1985	4.7

11.1V
(3S LIPO)

11.1V

XM2838EA-14 (860KV)

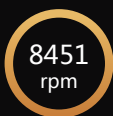
Motor @ Optimum Efficiency 优化效率点



Current
电流



Voltage
电压



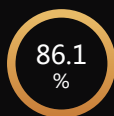
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

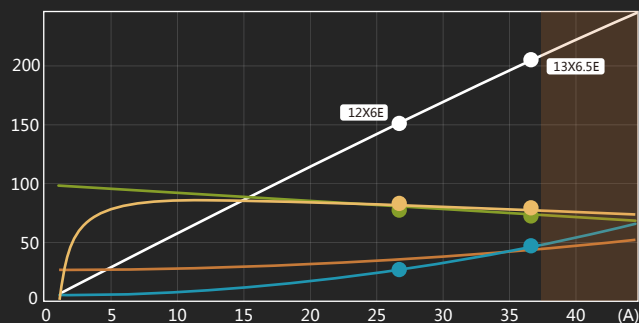
EL. POWER 电功率 [IN 2W]

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 转速 (RPM)	Throttle 油门 (%)	Current 电流 (A)	Voltage 电压 (V)	el. Power 电功率 (W)	Efficiency 效率 (%)	Thrust 拉力 (g)	Spec. Thrust 桨效率 (g/W)
12X6E								
3500	42		2.6	11.1	28.3	81.6	342	12.1
4000	48		3.8	11.1	41.6	82.9	446	10.7
4500	55		5.4	11	58.8	83.5	565	9.6
5000	61		7.3	11	80.4	83.7	697	8.7
5500	68		9.8	11	107.1	83.7	844	7.9
6000	76		12.8	11	139.3	83.5	1004	7.2
6500	83		16.4	10.9	177.9	83.1	1179	6.6
7000	91		20.7	10.9	223.3	82.7	1367	6.1
7500	99		25.8	10.8	276.3	82.2	1569	5.7
7560	100		26.6	10.8	284.9	81.9	1594	5.6
13X6.5E								
3500	43		3.8	11.1	42.2	81.7	471	11.2
4000	50		5.7	11	62.8	81.9	615	9.8
4500	57		8.2	11	89.6	81.8	778	8.7
5000	65		11.3	11	123.6	81.3	961	7.8
5500	73		15.3	10.9	165.7	80.7	1162	7
6000	81		20.1	10.9	217.1	80	1383	6.4
6500	90		26	10.8	278.8	79.2	1623	5.8
7000	99		33.1	10.7	351.9	78.3	1883	5.4
7063	100		34.4	10.7	364.3	78	1917	5.3

11.1V
(3S LIPO)

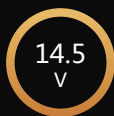
14.8V

XM2838EA-14 (860KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



Voltage
电压



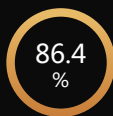
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

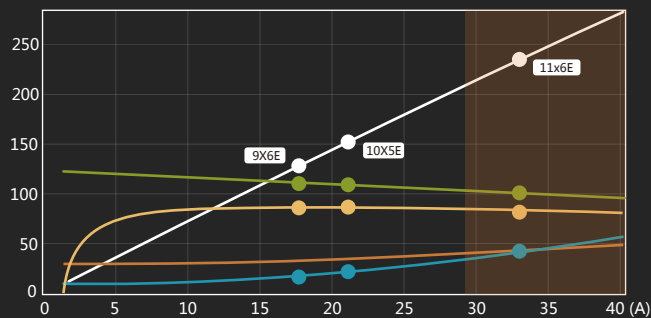
EL. POWER 电功率 [IN 2W]

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 转速 (RPM)	Throttle 油门 (%)	Current 电流 (A)	Voltage 电压 (V)	el. Power 电功率 (W)	Efficiency 效率 (%)	Thrust 拉力 (g)	Spec. Thrust 桨效率 (g/W)
14.8V (4S LIPO)	9X6E							
	5600	48	2.5	14.8	36.6	81.9	369	10.1
	6400	55	3.6	14.7	53.3	83.8	482	9
	7200	62	5.1	14.7	74.7	85.1	610	8.2
	8000	70	6.9	14.7	101.5	85.9	753	7.4
	8800	77	9.2	14.7	134.4	86.4	911	6.8
	9600	85	11.9	14.6	173.9	86.7	1085	6.2
	10400	93	15.2	14.6	220.8	86.8	1273	5.8
	11095	100	18.7	14.5	269.7	86.4	1449	5.4
	10X5E							
	5600	48	3.1	14.8	45.5	83.6	422	9.3
	6400	56	4.5	14.7	66.8	85	551	8.3
	7200	63	6.4	14.7	94.1	85.8	697	7.4
	8000	71	8.8	14.7	128.4	86.3	861	6.7
	8800	79	11.7	14.6	170.6	86.5	1042	6.1
	9600	87	15.3	14.6	221.4	86.5	1240	5.6
	10400	95	19.5	14.5	281.9	86.4	1455	5.2
	10844	100	22.4	14.5	322.1	85.8	1582	4.9
	11x6E							
	5600	50	5.4	14.7	78.7	84.8	674	8.6
	6300	57	7.7	14.7	111.8	85	853	7.6
	7000	65	10.5	14.6	153.5	85	1053	6.9
	7700	72	14.1	14.6	204.9	84.7	1274	6.2
	8400	80	18.5	14.5	267.3	84.3	1516	5.7
	9100	88	23.8	14.4	341.7	83.9	1779	5.2
	9800	96	30.2	14.3	429.5	83.3	2064	4.8
	10098	100	33.5	14.3	475.3	82.7	2191	4.6

18.5V

XM2838EA-20 (600KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



Voltage
电压



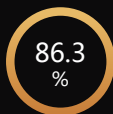
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

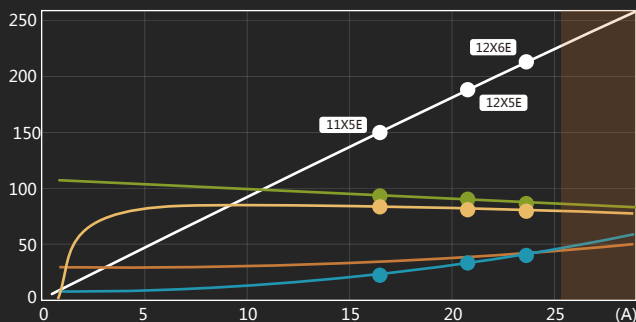
EL. POWER 电功率 [IN 2W]

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 转速 (RPM)	Throttle 油门 (%)	Current 电流 (A)	Voltage 电压 (V)	el. Power 电功率 (W)	Efficiency 效率 (%)	Thrust 拉力 (g)	Spec. Thrust 桨效率 (g/W)
----------------------	--------------------------	-----------------------	----------------------	----------------------	-------------------------	-------------------------	---------------------	------------------------------

11X5E

5600	57	3.6	18.4	65.4	85.1	562	8.6
6300	64	5	18.4	92.6	85.6	711	7.7
7000	72	6.9	18.4	126.8	85.7	877	6.9
7700	81	9.2	18.3	169	85.6	1062	6.3
8400	89	12.1	18.3	220	85.4	1263	5.7
9100	97	15.5	18.2	280.8	85	1483	5.3
9294	100	16.6	18.2	301.7	84.5	1547	5.1

12X5E

5400	56	4.5	18.4	83.5	84.6	678	8.1
6000	63	6.3	18.4	114.6	84.6	837	7.3
6600	70	8.4	18.3	153	84.3	1013	6.6
7200	78	10.9	18.3	199.6	83.9	1205	6
7800	85	14	18.2	255.2	83.5	1414	5.5
8400	93	17.7	18.2	320.8	82.9	1640	5.1
8880	100	21.3	18.1	384.2	82.1	1833	4.8

12X6E

5400	57	5.5	18.4	101.1	83.9	813	8
6000	65	7.6	18.4	139.3	83.5	1004	7.2
6600	72	10.2	18.3	186.5	83	1215	6.5
7200	80	13.4	18.2	243.8	82.5	1446	5.9
7800	88	17.3	18.2	312.5	81.8	1697	5.4
8400	96	21.9	18.1	393.7	81.1	1968	5
8635	100	24.1	18	432.7	80.4	2080	4.8

18.5V
(5S LIPO)

22.2V

XM2838EA-20 (600KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



Voltage
电压



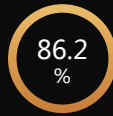
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

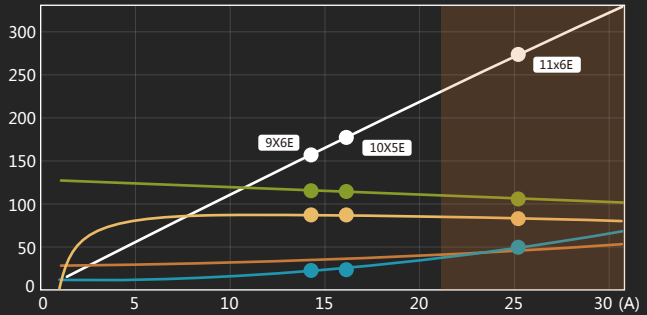
EL. POWER 电功率 [IN 2W]

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 转速 (RPM)	Throttle 油门 (%)	Current 电流 (A)	Volage 电压 (V)	el. Power 电功率 (W)	Efficiency 效率 (%)	Thrust 拉力 (g)	Spec. Thrust 桨效率 (g/W)
9X6E								
6400	52	2.4	22.1	53	84.3	482	9.1	
7200	59	3.4	22.1	74.5	85.4	610	8.2	
8000	66	4.6	22.1	101.4	86.1	753	7.4	
8800	74	6.1	22.1	134.3	86.5	911	6.8	
9600	81	7.9	22	173.9	86.7	1085	6.2	
10400	88	10.1	22	221	86.7	1273	5.8	
11200	96	12.6	21.9	276.2	86.7	1476	5.3	
11626	100	14.3	21.9	311.4	86.1	1591	5.1	
10X5E								
6400	53	3	22.1	66.5	85.3	551	8.3	
7200	60	4.3	22.1	93.9	86	697	7.4	
8000	67	5.8	22.1	128.3	86.4	861	6.7	
8800	75	7.8	22	170.5	86.5	1042	6.1	
9600	83	10.1	22	221.5	86.5	1240	5.6	
10400	90	12.9	21.9	282.2	86.3	1455	5.2	
11200	98	16.2	21.8	353.4	86	1688	4.8	
11366	100	17.1	21.8	372.7	85.5	1738	4.7	
11x6E								
5600	48	3.6	22.1	78.5	85	674	8.6	
6400	56	5.3	22.1	117.1	85.2	880	7.5	
7200	63	7.6	22	167.1	85	1114	6.7	
8000	72	10.5	22	230.3	84.5	1375	6	
8800	80	14.1	21.9	308.6	84	1664	5.4	
9600	89	18.6	21.8	403.7	83.3	1980	4.9	
10400	98	24	21.7	517.5	82.7	2324	4.5	
10590	100	25.7	21.6	553	82	2410	4.4	

22.2V
(6S LIPO)