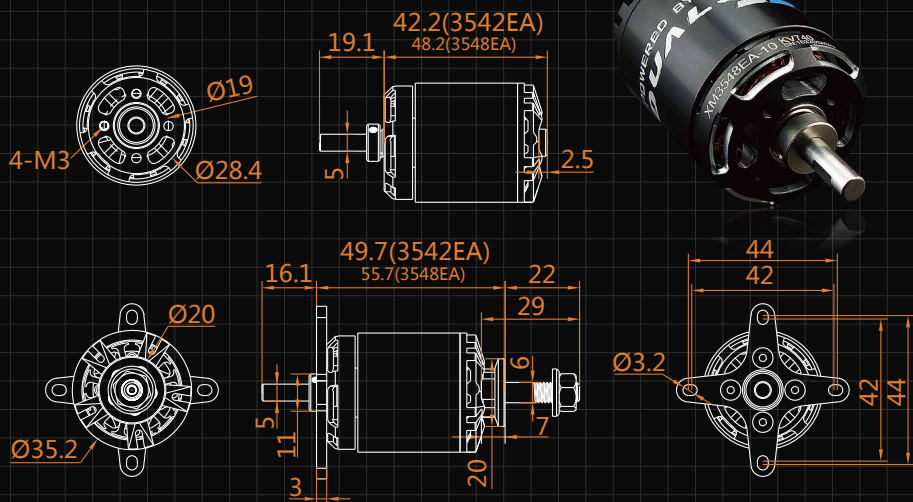


## Dimension 尺寸图



## Specification 规格

EA V3 SERIES	XM3542EA-11	XM3542EA-18
SKU (商品编码)	51856	51857
KV (KV值)	880	540
Weight(g) (重量, 不含配件)	147	144
Dimensions(D x L)[mm] (尺寸)	35.2x42.2	
Diameter of Shaft (mm) (轴径)	5.0	
Spec. of Mounting Holes (安装孔距)	4-M3, 19/19	
Input Connectors (输入插头)	DB3	
Dimensions of Stator(mm) (定子尺寸)	2820	
Slots & Poles (槽数, 极数)	12N14P	
Ri(mOhm) (电机内阻)	25.1	66
Io@10V (A) (空载电流)	1.5	0.7
No. of Cells(LiPo) (适用电池)	3..4 <sup>1</sup>	5..6 <sup>1</sup>
Efficiency Current[A] (效率电流)	19.0	14.0
Burst Current(15S)[A] (峰值电流)	38	28
Peak Power(15S)[W] (峰值功率)	608	672
Peak Torque [N·M] (峰值扭矩)	0.52	0.62
Recommended ESC (推荐调速器)	XC4018BA	XC3012BA
Recommended Propeller (螺旋桨)	3S: 14x7E 4S <sup>1</sup> : 11x6E, 12x6E <sup>2</sup>	5S: 14x7E 6S <sup>1</sup> : 12x6E
Application (适用级别)	25E, Up to .25 2st	

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

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

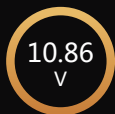
# 11.1V

# XM3542EA-11 (880KV)

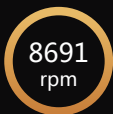
Motor @ Optimum Efficiency 优化效率点



Current  
电流



Voltage  
电压



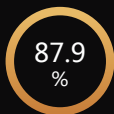
Revolutions  
转速



electric Power  
电功率



mech. Power  
机械功率



Efficiency  
效率

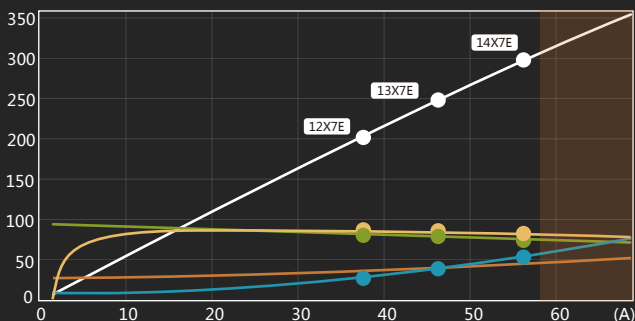
EL. POWER 电功率 [IN 2W]

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)
11.1V (3S LIPO)	12X7E							
	4200	48	5	11.1	55.1	84.5	574	10.4
	4800	55	7.4	11	81	85.8	750	9.3
	5400	62	10.4	11	114.3	86.6	949	8.3
	6000	70	14.3	11	156.2	86.9	1172	7.5
	6600	78	19.1	10.9	207.6	87	1418	6.8
	7200	86	24.9	10.9	269.8	86.9	1687	6.3
	7800	94	32	10.8	343.7	86.8	1980	5.8
	8189	100	37.4	10.8	400.2	86.4	2183	5.5
	13X7E							
	4800	56	10.2	11	111.5	85.8	953	8.5
	5400	64	14.5	11	158.5	86	1207	7.6
	6000	72	20.1	10.9	217.7	85.9	1490	6.8
	6600	81	27	10.9	290.8	85.6	1803	6.2
	7200	90	35.4	10.8	379.4	85.1	2145	5.7
	7800	99	45.7	10.7	485.2	84.7	2518	5.2
	7858	100	47	10.7	498.6	84.4	2555	5.1
	14X7E							
	4500	54	11.5	11	125	84.9	1047	8.4
	5000	61	15.8	11	171.8	84.7	1292	7.5
5500	68	21.2	10.9	229.6	84.4	1563	6.8	
6000	76	27.9	10.9	299.7	83.9	1861	6.2	
6500	83	35.9	10.8	383.6	83.4	2184	5.7	
7000	91	45.5	10.7	482.6	82.7	2532	5.2	
7500	100	57	10.6	598.2	82.1	2907	4.9	
7503	100	57.4	10.6	601.8	81.9	2909	4.8	

# 14.8V

# XM3542EA-11 (880KV)

## Motor @ Optimum Efficiency 优化效率点



Current  
电流



Voltage  
电压



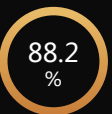
Revolutions  
转速



electric Power  
电功率



mech. Power  
机械功率



Efficiency  
效率

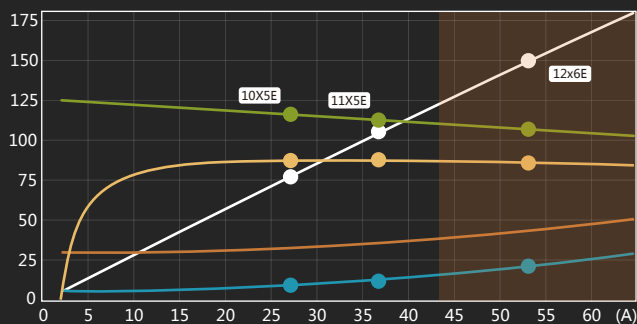
EL.POWER 电功率 [IN 5W]

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]



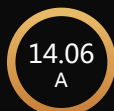
Voltage 电压 (V)	Propeller 转速 (RPM)	Throttle 油门 (%)	Current 电流 (A)	Volage 电压 (V)	el. Power 电功率 (W)	Efficiency 效率 (%)	Thrust 拉力 (g)	Spec. Thrust 桨效率 (g/W)
<b>10X5E</b>								
6400	53	4.6	14.7	67.9	83.5	551	8.1	
7200	60	6.5	14.7	94.8	85.2	697	7.4	
8000	67	8.8	14.7	128.3	86.4	861	6.7	
8800	74	11.6	14.7	169.2	87.2	1042	6.2	
9600	81	15	14.6	218.3	87.7	1240	5.7	
10400	88	19	14.6	276.4	88.1	1455	5.3	
11200	96	23.8	14.5	344.3	88.3	1688	4.9	
11645	100	26.9	14.5	387.9	88.1	1825	4.7	
<b>11X5E</b>								
6400	54	6.6	14.7	96.4	86.2	733	7.6	
7200	61	9.3	14.7	135.7	87.2	928	6.8	
8000	68	12.7	14.7	184.8	87.8	1146	6.2	
8800	75	16.8	14.6	244.9	88.2	1387	5.7	
9600	83	21.9	14.6	317.4	88.3	1650	5.2	
10400	91	28	14.5	403.4	88.4	1937	4.8	
11200	99	35.2	14.4	504.1	88.3	2246	4.5	
11297	100	36.3	14.4	520	88	2285	4.4	
<b>12x6E</b>								
5600	48	7.5	14.7	109.1	86.7	875	8	
6400	55	11.1	14.7	161.8	87.2	1143	7.1	
7200	63	15.8	14.6	230	87.4	1446	6.3	
8000	71	21.8	14.6	315.7	87.4	1785	5.7	
8800	79	29.3	14.5	421.3	87.1	2160	5.1	
9600	88	38.5	14.4	549.2	86.8	2571	4.7	
10400	97	49.7	14.2	701.6	86.4	3017	4.3	
10649	100	53.9	14.2	759.4	85.9	3164	4.2	

14.8V  
(4S LIPO)

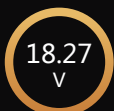
# 18.5V

# XM3542EA-18 (540KV)

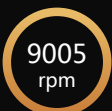
Motor @ Optimum Efficiency 优化效率点



Current  
电流



Voltage  
电压



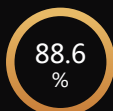
Revolutions  
转速



Electric Power  
电功率



Mech. Power  
机械功率



Efficiency  
效率

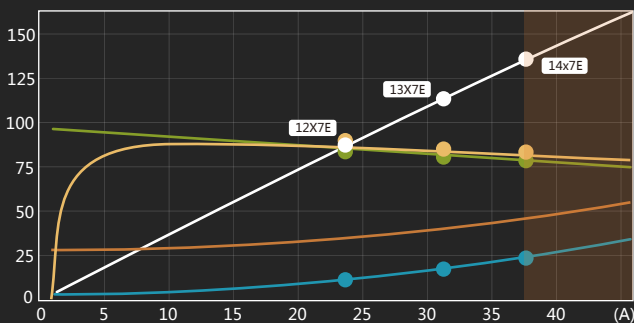
EL. POWER 电功率 [IN 2W]

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)
<b>12X7E</b>								
5400	60		6.2	18.4	113	87.5	949	8.4
6000	68		8.4	18.4	154.7	87.7	1172	7.6
6600	75		11.3	18.3	205.9	87.7	1418	6.9
7200	83		14.7	18.3	267.7	87.6	1687	6.3
7800	91		18.8	18.2	341.4	87.4	1980	5.8
8400	99		23.6	18.2	427.9	87	2297	5.4
8493	100		24.6	18.2	444.7	86.7	2348	5.3
<b>13X7E</b>								
4200	47		4	18.4	74.2	86.4	730	9.8
4800	54		6	18.4	110.3	86.8	953	8.6
5400	62		8.6	18.4	157	86.8	1207	7.7
6000	70		11.8	18.3	215.9	86.6	1490	6.9
6600	78		15.8	18.3	288.6	86.2	1803	6.2
7200	86		20.8	18.2	376.7	85.7	2145	5.7
7800	94		26.7	18.1	482	85.2	2518	5.2
8174	100		31.1	18.1	559.9	84.6	2765	4.9
<b>14x7E</b>								
3600	41		3.5	18.5	63.5	85.5	670	10.5
4200	48		5.5	18.4	100.5	85.8	912	9.1
4800	56		8.2	18.4	150.4	85.6	1191	7.9
5400	64		11.8	18.3	215.2	85.2	1507	7
6000	72		16.3	18.3	297.4	84.6	1861	6.3
6600	81		22	18.2	399.2	83.8	2251	5.6
7200	90		29	18.1	523.1	83.1	2679	5.1
7800	99		37.5	18	671.6	82.3	3144	4.7
7829	100		38.2	18	683	82	3168	4.6

18.5V  
(5S LIPO)

# 22.2V

Motor @ Optimum Efficiency 优化效率点

# XM3542EA-18 (540KV)



Current  
电流



Voltage  
电压



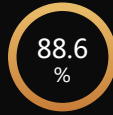
Revolutions  
转速



electric Power  
电功率



mech. Power  
机械功率



Efficiency  
效率

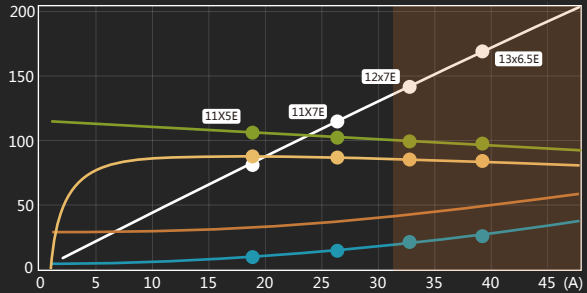
EL. POWER 电功率 [IN 2W]

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	50	2.9	22.2	64.7	86	562	8.7
	6400	58	4.3	22.1	95.1	87.3	733	7.7
	7200	66	6.1	22.1	134.2	88.1	928	6.9
	8000	73	8.3	22.1	183.2	88.6	1146	6.3
	8800	81	11.1	22	243.1	88.8	1387	5.7
	9600	89	14.4	22	315.4	88.9	1650	5.2
	10400	97	18.4	21.9	401.2	88.9	1937	4.8
	10636	100	19.8	21.9	431.2	88.5	2026	4.7
					11X7E			
	5600	51	4	22.1	89.2	87.4	786	8.8
	6300	58	5.7	22.1	126	88.1	995	7.9
	7000	65	7.8	22.1	172.2	88.4	1228	7.1
	7700	72	10.4	22	228.9	88.5	1486	6.5
	8400	79	13.6	22	297.3	88.5	1769	6
	9100	87	17.3	21.9	378.5	88.3	2076	5.5
	9800	94	21.8	21.8	473.9	88.1	2408	5.1
	10333	100	25.8	21.8	560	87.6	2677	4.8
					12x7E			
	5600	52	5.7	22.1	125.9	87.6	1021	8.1
	6300	59	8.1	22.1	179	87.8	1292	7.2
	7000	67	11.2	22	245.9	87.7	1595	6.5
	7700	74	15	21.9	328.2	87.4	1930	5.9
	8400	82	19.6	21.9	427.9	87	2297	5.4
	9100	90	25.2	21.8	546.8	86.6	2695	4.9
	9800	98	31.8	21.7	686.8	86.1	3126	4.6
	9945	100	33.5	21.6	723	85.7	3219	4.5
					13x6.5E			
	4900	46	4.9	22.1	108.7	87	923	8.5
	5600	53	7.4	22.1	162.1	87.1	1205	7.4
	6300	61	10.5	22	231.4	86.8	1525	6.6
	7000	69	14.6	22	319	86.4	1883	5.9
	7700	76	19.6	21.9	427.2	85.9	2278	5.3
	8400	85	25.8	21.8	558.6	85.3	2711	4.9
	9100	93	33.2	21.6	715.6	84.6	3182	4.4
	9622	100	40	21.5	856.7	83.8	3558	4.2

22.2V  
(6S LIPO)