

# SUNNYSKY

Specifications	X2220 KV980		
Stator Diameter	定子外径	22mm	
Stator Thickness	定子厚度	20mm	
No. of Stator Arms	定子槽数	12	
No. of Rotor Poles	转子极数	14	
Motor KV	电机KV值	980	
No-Load Current (A/10V)	空载电流	0.7A	
Motor Resistance	电机电阻	51mΩ	
Max Continuous Current	最大连续电流	38A/30s	
Max Continuous Power	最大连续功率	638W	
Weight	重量	85g	
Rotor Diameter	转子直径	27.7mm	
Body Length	电机长度 (不含轴长)	38mm	
Max Lipo Cell	支持锂电节数	3S-4S	
ESC	建议使用电调	40A	
Recommended Prop(inch)	推荐螺旋桨规格	APC9047	APC9045
		APC9060	APC1047
		APC1147	

AEROBATIC(适用特技机重量) 1100g (4S 9060\1047\1050)

(适用多旋翼单轴重量600g 3S 1038\1047) 适用多旋翼单轴重量600g (4S 8038\8043\8045\9047)

适用3D机重量 800-900g (3-4S 1047\1147)

Prop (inch)	Voltage (V)	Amps (A)	Thrust (gf)	Watts (W)	Efficiency (g/W)	RPM	Load temperature in 100% throttle 全油门负载温度
APC9060	11.1	1	100	11.1	9.01	3146	85°C 2min
		2.5	200	27.75	7.21	4388	
		4.1	300	45.51	6.59	5265	
		5.5	400	61.05	6.55	6060	
		7.2	500	79.92	6.26	6710	
		9.1	600	101.01	5.94	7229	
		10.9	700	120.99	5.79	7843	
		13.7	800	152.07	5.26	8442	
		16.5	900	183.15	4.91	8886	
	18.7	1020	207.57	4.91	9583		
	14.8	0.8	100	11.84	8.45	3108	
		1.8	200	26.64	7.51	4296	
		2.9	300	42.92	6.99	5210	
		4.2	400	62.16	6.44	5949	
		5.6	500	82.88	6.03	6823	
		7.1	600	105.08	5.71	7303	
		8.6	700	127.28	5.50	7801	
		10.8	800	159.84	5.01	8398	
		12.6	900	186.48	4.83	8827	
	14.3	1000	211.64	4.73	9338		
	17.4	1100	257.52	4.27	9692		
	20.1	1200	297.48	4.03	10167		
	22.8	1300	337.44	3.85	10690		
	25.8	1400	381.84	3.67	10900		
	28.6	1536	423.28	3.63	11702		
	16.8	0.8	100	13.44	7.44	3120	
		1.6	200	26.88	7.44	4462	
		2.6	300	43.68	6.87	5250	
		3.7	400	62.16	6.44	6006	
		5	500	84	5.95	6715	
		6.6	600	110.88	5.41	7276	
		7.9	700	132.72	5.27	7856	
		9.5	800	159.6	5.01	8451	
		11	900	184.8	4.87	8827	
		12.9	1000	216.72	4.61	9303	
		15.1	1100	253.68	4.34	9743	
17.7		1200	297.36	4.04	10226		
20.3	1300	341.04	3.81	10532			
22.6	1400	379.68	3.69	10949			
25.8	1500	433.44	3.46	11186			
28.2	1600	473.76	3.38	11580			
32.3	1700	542.64	3.13	11906			
35.8	1850	601.44	3.08	12822			
APC1047	11.1	0.8	100	8.88	11.26	2520	90°C 1min
		1.8	200	19.98	10.01	3490	
		3.3	300	36.63	8.19	4256	
		4.8	400	53.28	7.51	4755	
		6.6	500	73.26	6.83	5305	
		7.8	600	86.58	6.93	5791	
		9.9	700	109.89	6.37	6167	
		11.6	800	128.76	6.21	6608	
		14.2	900	157.62	5.71	6924	
		16.3	1000	180.93	5.53	7332	
		18.5	1100	205.35	5.36	7657	
		21	1200	233.1	5.15	7993	
	24	1300	266.4	4.88	8319		
	27	1454	299.7	4.85	8620		
	14.8	0.6	100	8.88	11.26	2527	
		1.4	200	20.72	9.65	3517	
		2.3	300	34.04	8.81	4236	
		3.5	400	51.8	7.72	4784	
		4.8	500	71.04	7.04	5310	
		6	600	88.8	6.76	5757	
		7.9	700	116.92	5.99	6200	
		9.4	800	139.12	5.75	6621	
		11.1	900	164.28	5.48	7020	
		13	1000	192.4	5.20	7318	
		14.6	1100	216.08	5.09	7625	
		17.1	1200	253.08	4.74	7990	
		19	1300	281.2	4.62	8287	
21.2		1400	313.76	4.46	8505		
23.2		1500	343.36	4.37	8860		
26.1	1600	386.28	4.14	9120			
29.3	1700	433.64	3.92	9405			
35	1900	518	3.67	10082			
38.4	2130	568.32	3.75	10476			
APC9045	11.1	1.2	100	13.32	7.51	3476	75°C 10min
		2.5	200	27.75	7.21	4870	
		3.9	300	43.29	6.93	5722	
		5.2	400	57.72	6.93	6572	
		6.9	500	76.59	6.53	7300	
		8.6	600	95.46	6.29	8000	
		10.6	700	117.66	5.95	8600	
		12.7	800	140.97	5.67	9135	
		15.8	960	175.38	5.47	9800	
	14.8	0.9	100	13.32	7.51	3488	
		1.8	200	26.64	7.51	4890	
		3	300	44.4	6.76	5710	
		4.3	400	63.64	6.29	6571	
		5.4	500	79.92	6.26	7298	
		6.8	600	100.64	5.96	7995	
		8.1	700	119.88	5.84	8600	
		9.8	800	145.04	5.52	9124	
		11.4	900	168.72	5.33	9570	
		13.3	1000	196.84	5.08	10231	
		15.5	1100	229.4	4.80	10606	
		17.3	1200	256.04	4.69	11075	
	19.3	1300	285.64	4.55	11407		
	21.4	1400	316.72	4.42	11787		
	23.6	1506	349.28	4.31	12305		
	16.8	0.8	100	13.44	7.44	3482	
		1.6	200	26.88	7.44	4808	
		2.6	300	43.68	6.87	5777	
		3.7	400	62.16	6.44	6656	
		5.1	500	85.68	5.84	7378	
		6.1	600	102.48	5.85	8083	
		7.6	700	127.68	5.48	8618	
		8.8	800	147.84	5.41	9165	
		10.5	900	176.4	5.10	9577	
		12.2	1000	204.96	4.88	10237	
		13.8	1100	231.84	4.74	10682	
		15.5	1200	260.4	4.61	11085	
17.5		1300	294	4.42	11404		
19.7		1400	330.96	4.23	11795		
21.3		1500	357.84	4.19	12160		
28.5	1635	478.8	3.83	13409			
APC9047	11.1	1	100	11.1	9.01	3426	67°C 10min
		2.2	200	24.42	8.19	4217	
		3.6	300	39.96	7.51	5588	
		4.9	400	54.39	7.35	6520	
		6.5	500	72.15	6.93	7280	
		8.2	600	91.02	6.59	8000	
		10.2	700	113.22	6.18	8730	
		12.3	800	136.53	5.86	9350	
		16.4	945	182.04	5.19	10050	
	14.8	0.8	100	11.84	8.45	3146	
		1.6	200	23.68	8.45	4527	
		2.7	300	39.96	7.51	5592	
		4	400	59.2	6.76	6521	
		5.3	500	78.44	6.37	7243	
		6.5	600	96.2	6.24	7994	
		8.2	700	121.36	5.77	8698	
		9.6	800	142.08	5.63	9338	
		11.2	900	165.76	5.43	9890	
		13	1000	192.4	5.20	10416	
		15.2	1100	224.96	4.89	11031	
		17.2	1200	254.56	4.71	11606	
	18.9	1300	279.72	4.65	11985		
	22.1	1450	327.08	4.43	12622		
	16.8	0.8	100	13.44	7.44	3276	
		1.5	200	25.2	7.94	4592	
		2.6	300	43.68	6.87	5603	
		3.6	400	60.48	6.61	6523	
		4.8	500	80.64	6.20	7291	
		6.1	600	102.48	5.85	8070	
		7.4	700	124.32	5.63	8753	
		8.9	800	149.52	5.35	9328	
		10.5	900	176.4	5.10	9986	
		11.8	1000	198.24	5.04	10550	
		13.6	1100	228.48	4.81	11054	
		15.6	1200	262.08	4.58	11617	
		17	1300	285.6	4.55	12095	
18.9		1400	317.52	4.41	12629		
21.4		1500	359.52	4.17	13164		
23.3	1600	391.44	4.09	13464			
25.2	1720	423.36	4.06	13965			

