

Specifications	X2820 KV800		
Stator Diameter	定子外径	28mm	
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	800	
No-Load Current (A/10V)	空载电流	0.9A	
Motor Resistance	电机电阻	41mΩ	
Max Continuous Current	最大连续电流	46A/30S	
Max Continuous Power	最大连续功率	700W	
Weight	重量 (含长线)	138g	
Rotor Diameter	转子直径	35mm	
Shaft Diameter	出轴直径	5mm	
Body Length	电机长度	42mm	
Overall Shaft Length	电机含轴总长度	61mm	
Max Lipo Cell	最大电池节数	3-5S	
ESC	建议使用电调	60A	
Recommended Prop(inch)	推荐螺旋桨规格	APC13x6.5	APC12x6
		APC13x8	APC12x8
AEROBATIC(适用特技机重量) 1400g-1800g (4S APC12x6\APC12x8\APC13x6.5\APC13x8)			
适用3D机重量 1100g-1400g (4S APC12x6\APC12x8\APC13x6.5\APC13x8)			

Prop (inch)	Volts (V)	Amps (A)	Thrust (gf)	Watts (W)	Efficiency (g/W)	Load temperature in 100% throttle 全油门负载温度
APC13x6.5	11.1	5.1	500	56.61	8.832361774	60°
		8.7	750	96.57	7.766387077	
		12.7	1000	140.97	7.093707881	
		17.3	1250	192.03	6.509399573	
		22.6	1500	250.86	5.979430758	
		25.9	1670	287.49	5.808897701	
	14.8	4	500	59.2	8.445945946	
		6.8	750	100.64	7.452305246	
		10.1	1000	149.48	6.689858175	
		13.8	1250	204.24	6.120250685	
		17.9	1500	264.92	5.662086668	
		22.2	1750	328.56	5.326272218	
		27.2	2000	402.56	4.968203498	
		33.1	2250	489.88	4.592961542	
APC12x6	14.8	4.2	500	62.16	8.043758044	54°
		7.4	750	109.52	6.84806428	
		10.8	1000	159.84	6.256256256	
		14.5	1250	214.6	5.824790308	
		18.7	1500	276.76	5.419858361	
		23.2	1750	343.36	5.096691519	
		28.1	2000	415.88	4.809079542	
		32.7	2240	483.96	4.628481693	
APC12x8	14.8	4.5	500	66.6	7.507507508	56°
		7.8	750	115.44	6.496881497	
		11.6	1000	171.68	5.824790308	
		15.7	1250	232.36	5.379583405	
		20.5	1500	303.4	4.943968359	
		26	1750	384.8	4.547817048	
		31.6	2000	467.68	4.276428327	
		38.5	2300	569.8	4.036504037	
APC13x8	11.1	5.3	500	58.83	8.499065103	64°
		9	750	99.9	7.507507508	
		13.6	1000	150.96	6.62427133	
		18.2	1250	202.02	6.187506188	
		23.4	1500	259.74	5.775005775	
		29.5	1760	327.45	5.374866392	
	14.8	4.2	500	62.16	8.043758044	
		7.1	750	105.08	7.137419109	
		10.5	1000	155.4	6.435006435	
		14.3	1250	211.64	5.906255906	
		19	1500	281.2	5.33428165	
		23.7	1750	350.76	4.989166382	
		28.9	2000	427.72	4.675956233	
		35.5	2250	525.4	4.282451466	
		40.2	2500	594.96	4.201963157	
		45.2	2790	668.96	4.170652954	

Notes: The test condition of temperature is motor surface temperature in 100% throttle while the motor run 10 min.

