



Specification

Test Item	MN5212 KV340	Report NO.	MN.00030
Internal Resistance	69mΩ	Configuration	24N22P
Shaft Diameter	4mm	Motor Dimensions	Φ59×33.5mm
Stator Diameter	52mm	Stator Height	12mm
AWG	16#	Cable Length	600mm
Weight Including Cables	249g	Weight Excluding Cables	205g
No.of Cells(Lipo)	4-8S	Idle Current@10v	1.1A
Max Continuous Power 180S	840W	Max Continuous Current 180S	35A
Test Item	MN5212 KV420	Report NO.	MN.00030
Internal Resistance	69mΩ	Configuration	24N22P
Shaft Diameter	4mm	Motor Dimensions	Φ59×33.5mm
Stator Diameter	52mm	Stator Height	12mm
AWG	16#	Cable Length	600mm
Weight Including Cables	249g	Weight Excluding Cables	205g
No.of Cells(Lipo)	4-8S	Idle Current@10v	1.1A
Max Continuous Power 180S	1440W	Max Continuous Current 180S	60A

Test Data

Item No.	Voltage (V)	Prop	Throttle	Current (A)	Power (W)	Thrust (G)	RPM	Efficiency (G/W)	Torque (N*m)	Operating Temperature (°C)
			50%	3.3	79.0	745	3821	9.44	0.142	
			55%	4.2	99.8	910	4220	9.11	0.172	
			60%	5.2	123.6	1075	4576	8.70	0.198	

MN5212 KV340	24	LIGPOWER 15*5CF	65%	6.3	150.7	1254	4925	8.32	0.232	38
			75%	9.1	217.2	1681	5663	7.74	0.31	
			85%	12.2	292.1	2115	6315	7.24	0.382	
			100%	17.8	426.7	2746	7167	6.44	0.498	
	LIGPOWER 16*5.4CF	50%	3.9	93.4	942	3767	10.09	0.187	49	
		55%	5.1	121.2	1145	4130	9.45	0.227		
		60%	6.2	149.3	1338	4510	8.96	0.261		
		65%	7.8	188.2	1560	4862	8.29	0.303		
		75%	11.1	266.2	2110	5565	7.93	0.405		
		85%	15.2	363.8	2648	6217	7.28	0.509		
		100%	21.6	518.2	3445	7063	6.65	0.66		
	LIGPOWER 17*5.8CF	50%	4.7	112.3	1095	3651	9.75	0.225	53	
		55%	6.0	144.2	1320	4017	9.15	0.27		
		60%	7.8	187.4	1625	4432	8.67	0.331		
		65%	9.6	230.2	1875	4772	8.15	0.381		
		75%	13.7	327.6	2363	5390	7.21	0.49		
		85%	18.1	434.6	2871	5960	6.61	0.593		
		100%	26.1	626.9	3716	6660	5.93	0.761		
	LIGPOWER 18*6.1CF	50%	5.7	137.5	1318	3596	9.58	0.29	74	
		55%	7.4	178.1	1612	3958	9.05	0.344		
		60%	9.3	222.0	1901	4310	8.56	0.411		
		65%	11.6	278.2	2259	4622	8.12	0.472		
		75%	16.5	395.5	2835	5226	7.17	0.605		
		85%	22.1	531.1	3477	5751	6.55	0.737		
		100%	31.0	744.7	4355	6358	5.85	0.918		

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

	LIGPOWER 15*5CF	50%	6.8	162.2	1204	4976	7.42	0.321	53
		55%	8.7	208.1	1478	5487	7.10	0.278	
		60%	10.5	521.8	1746	5947	6.94	0.33	
		65%	12.6	302.2	1983	6376	6.56	0.374	
		75%	18.8	450.0	2589	7287	5.75	0.493	
		85%	25.0	599.0	3230	8042	5.39	0.607	
		100%	36.7	881.3	4175	9091	4.74	0.784	
		50%	8.4	202.3	1530	4815	7.56	0.301	
		55%	10.4	250.6	1795	5210	7.16	0.354	

MN5212 KV420	24	LIGPOWER 16*5.4CF	60%	13.0	311.5	2160	5642	6.93	0.417	58
			65%	15.7	377.3	2433	6032	6.45	0.475	
			75%	22.4	536.9	3150	6811	5.87	0.609	
			85%	29.8	715.7	3818	7489	5.33	0.743	
			100%	44.2	1061.5	4903	8455	4.62	0.965	
	LIGPOWER 17*5.8CF	50%	10.5	250.8	1795	4696	7.16	0.376	75	
		55%	12.8	306.0	2075	5103	6.78	0.442		
		60%	15.9	382.3	2458	5509	6.43	0.514		
		65%	18.9	452.6	2745	5849	6.06	0.576		
		75%	27.2	651.8	3576	6560	5.49	0.747		
		85%	36.4	872.4	4324	7209	4.96	0.892		
		100%	51.6	1237.9	5359	7943	4.33	1.117		
	LIGPOWER 18*6.1CF	50%	12.4	296.6	2110	4558	7.11	0.45	84	
		55%	15.3	366.5	2468	4908	6.73	0.528		
		60%	18.6	446.9	2820	5276	6.31	0.608		
		65%	22.9	549.1	3215	5612	5.86	0.703		
		75%	32.5	779.5	4142	6226	5.31	0.881		
		85%	41.9	1006.1	4885	6785	4.86	1.044		
		100%	59.9	1436.6	5918	7440	4.12	1.278		

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

#### Packing List



Before using this product, please check if all the items listed above are included in the packaging. If there are any missing items, please contact our online customer service or leave message to "[onlinesales@ligpower.com](mailto:onlinesales@ligpower.com)" in time.