



Specification

Motor Size	$\Phi 55.6 \times 30\text{mm}$	Copper Wire	180°C high temperature resistance: Level H
Stator	Imported silicon steel sheet; Anti-rust treatment; 180°C high temperature-resisting coatings	Coil Insulation Test	500V
Configuration	24N28P	Centrifugal Cooling Design	YES
Shaft Diameter	IN : 6mm	Rotor Dynamic Balance Standard	$\leq 15\text{mg}$
Bearing	Imported 696ZZ	Motor Dynamic Balance Standard	$\leq 10\text{mg}$
Magnet Level	150°C high temperature resistance: Level E	Packing Size	106*81*35mm
Lead Cable	80mm		
KV	300	Rated Voltage ( Lipo )	4-6S
Idle Current ( 22V )	0.6A	ESC Recommendation	AIR 40A
Peak Current ( 180s )	20A	Propeller Recommendation	P17-18"
Max. Power ( 180s )	500W	Motor Weight ( Incl. Cable )	108g
Internal Resistance	125m $\Omega$	Package Weight	170g
KV	450		4-6S

		Rated Voltage ( Lipo )	
Idle Current ( 22V )	0.9A	ESC Recommendation	AIR 40A
Peak Current ( 180s )	26A	Propeller Recommendation	P14-18"
Max. Power ( 180s )	650W	Motor Weight ( Incl. Cable )	106g
Internal Resistance	60mΩ	Package Weight	170g

Test Data

Type	Propeller	Throttle	Voltage (V)	Current (A)	Power (W)	RPM	Torque (N*m)	Thrust (g)	Efficiency (g/W)	Operating Temperature (°C)
MN5006 KV300	LIGPOWER P17*5.8" CF	40%	23.70	1.63	39	2481	0.10	501	13.02	67
		45%	23.67	2.21	52	2790	0.13	640	12.24	
		50%	23.64	2.88	68	3103	0.15	784	11.5	
		55%	23.61	3.71	88	3410	0.19	942	10.75	
		60%	23.57	4.66	110	3689	0.22	1119	10.18	
		65%	23.54	5.68	134	3947	0.25	1289	9.64	
		70%	23.50	6.78	159	4203	0.29	1454	9.13	
		75%	23.46	8.00	188	4442	0.32	1631	8.69	
		80%	23.42	9.28	217	4664	0.35	1798	8.28	
		90%	23.32	12.31	287	5105	0.43	2186	7.62	
	100%	23.22	15.41	358	5491	0.50	2538	7.09		
	LIGPOWER P18*6.1" CF	40%	23.68	2.04	48	2410	0.14	629	13	82
		45%	23.64	2.80	66	2702	0.17	792	11.96	
		50%	23.61	3.67	87	2988	0.21	968	11.18	
		55%	23.57	4.75	112	3264	0.24	1162	10.38	
		60%	23.53	5.91	139	3525	0.29	1366	9.82	
		65%	23.48	7.25	170	3762	0.33	1572	9.24	
		70%	23.43	8.69	204	3996	0.38	1777	8.73	
		75%	23.38	10.22	239	4219	0.42	1980	8.29	
		80%	23.33	11.89	277	4424	0.46	2183	7.87	
90%		23.21	15.70	364	4807	0.55	2618	7.19		
100%	23.09	19.63	453	5131	0.63	2996	6.61			
LIGPOWER	40%	23.65	2.66	63	3983	0.11	610	9.69	42	
	45%	23.62	3.31	78	4318	0.12	724	9.25		
	50%	23.60	4.04	95	4674	0.14	840	8.82		
	55%	23.56	5.01	118	5059	0.17	988	8.37		
	60%	23.52	6.17	145	5440	0.19	1160	8		



	75%	15.32	13.10	201	3959	0.37	1720	8.57
	80%	15.25	15.27	233	4142	0.41	1911	8.21
	90%	15.10	19.98	302	4504	0.48	2274	7.54
	100%	14.96	24.82	371	4801	0.55	2609	7.03

Note: Motor temperature is motor surface temperature at 100% throttle running 10mins.  
 (Data above based on benchtest are for reference only, comparison with that of other motor types is not recommended.)

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 "[onsales@ligpower.com](mailto:onsales@ligpower.com)" in time.