



Specification

Motor Size	$\Phi 87.3 \times 26.05$ mm	Lead Cable	90mm
Stator	Anti-rust treatment; 180°C high temperature-resisting coatings	Copper Wire	220°C high temperature resistance
Configuration	36N42P	Coil Insulation Test	1000V/5s
Shaft Diameter	IN : 12mm	Rotor Dynamic Balance Standard	≤ 15 Mg
Bearing	Imported 6901ZZ	Packing Size	130*111*50.6mm
Magnet Level	180°C high temperature resistance		
KV	100	Rated Voltage(Lipo)	12S(4.2V/pc) / 48-52V
Idle Current(24V)	1.0A	Internal Resistance	134-141m Ω
Peak Current(180s)	31A	Weight (Incl. Cable)	253g/256g net version
Max. Power(180s)	1450W	Package Weight	420g/423g net version

Test Data

Type	Propeller	Throttle	Voltage (V)	Thrust (g)	Torque (N*m)	Current (A)	RPM	Power (W)	Efficiency (g/W)	Operating Temperature (°C)
------	-----------	----------	-------------	------------	--------------	-------------	-----	-----------	------------------	----------------------------

U8II lite- KV100	G27*8.8	40%	48	2038	0.61	3.47	1935	165	12.33	60°C
		45%	48	2542	0.76	4.68	2155	223	11.42	
		50%	48	3000	0.90	5.95	2330	283	10.60	
		55%	48	3458	1.03	7.24	2489	344	10.05	
		60%	47	3956	1.17	8.72	2651	414	9.55	
		65%	47	4491	1.33	10.43	2808	495	9.08	
		70%	47	4888	1.44	11.87	2926	561	8.72	
		75%	47	5442	1.61	13.90	3078	656	8.29	
		80%	47	5958	1.77	16.05	3220	756	7.88	
		90%	47	7052	2.09	20.75	3488	973	7.25	
	100%	47	8442	2.51	27.64	3794	1289	6.55		
	G28*9.2	40%	47	2260	0.72	3.92	1900	186	12.15	71°C
		45%	47	2843	0.90	5.43	2120	257	11.05	
		50%	47	3307	1.04	6.71	2277	317	10.43	
		55%	47	3787	1.18	8.19	2434	387	9.79	
		60%	47	4323	1.33	9.87	2586	466	9.28	
		65%	47	4851	1.51	11.71	2729	551	8.81	
		70%	47	5396	1.67	13.79	2863	647	8.35	
		75%	47	5905	1.83	15.72	2991	736	8.02	
		80%	47	6479	1.99	17.96	3120	840	7.71	
90%		47	7663	2.35	23.31	3367	1088	7.04		
100%	47	9122	2.81	31.11	3673	1450	6.29			
<p>Note: Motor temperature is motor surface temperature at 100% throttle running 10mins. (Date above based on benchtest are for reference only, comparion with that of other motor types is not recommended.)</p>										

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" in time.