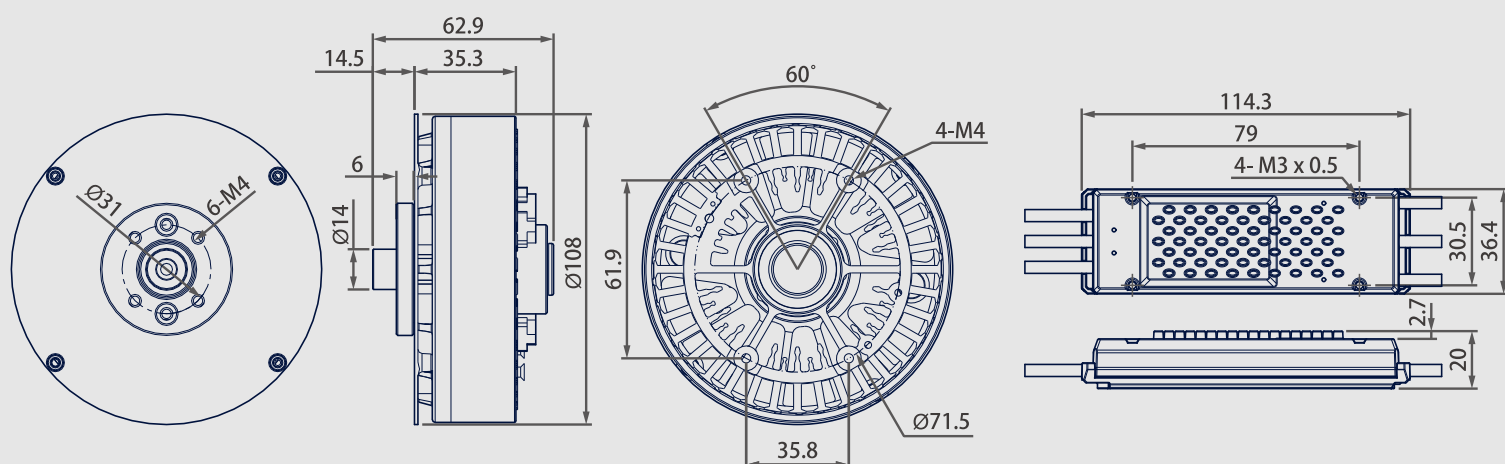


Technical Drawing



Specifications

Motor	10018	ESC	100A
KV Rating (rpm/V)	77KV	Input Voltage	10-14 S
Max Thrust	22 kg	Continuous Current	80 A
Input Voltage	10-14 S	Peak Current	100 A (10 Seconds)
Max. Current	80 A	PWM Frequency	50~400 Hz
Max. Input Power	3700 W	PWM Pulse Width Range	1100 - 1940 µs
Configuration	36N42P	Operating Temperature Range	-20 °C~80 °C
Recommended Propeller	41*13"	Dimensions	114.3*36.4*20 mm
Dimensions	108*63 mm	Weight (without wires)	123 g
Weight	765 g		
Winding/Magnet Grade	180°C/180°C		

10018 – 100A Technical Parameters

Voltage (V)	Propeller	Throttle (%)	Thrust (kg)	Current (A)	Power (W)	Speed (RPM)	EFF (g/W)
56V	41*13" Foldable Propeller	10	0.66	0.63	41	300	18.7
		20	2.26	2.36	132	816	17.1
		30	3.92	4.88	273	1140	14.3
		40	6.08	9.10	508	1488	11.9
		50	8.51	15.10	841	1728	10.1
		60	11.34	22.43	1247	2040	9.0
		70	14.12	32.04	1775	2328	7.9
		80	16.94	42.77	2361	2544	7.1
		90	19.91	55.89	3068	2760	6.4
		100	22.15	67.38	3686	2916	5.9

The above data is measured by changing the throttle input to adjust the tension under the environment of 20°C and sea level.