

HW-X8 动力套技术参数

HW-X8 Technical Parameters

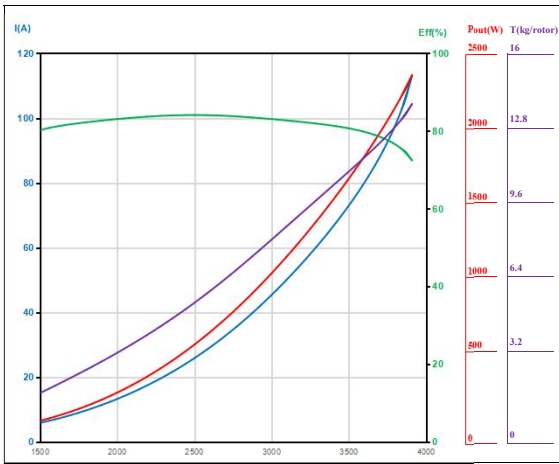
技术参数 Technical Parameters

最大拉力 (46V) Max Thrust	14kg
推荐锂电节数 Recommended Battery	12-14S
推荐起飞重量 Recommended Takeoff Weight	5-7kg
动力总成重量 Total Weight	1210g
适用碳管尺寸 Powertrain Arm Tube Outer Diameter	35/40mm
适用环境温度 Operating Temperature	-20~50°C
防护等级 Ingress Protection	IPX6

电机 Motor

定子尺寸 Stator Size	8120
KV值 KV	100 rpm/V
电机外径 Motor Size	Φ88.6 *46.9

负载性能参数 Load performance parameters



以上数据为室温 25°C、海平面高度的环境下变化油门输入调节拉力测得。

The above data is measured by changing the throttle input to adjust the tension under the environment of 25°C and sea level.

电调 ESC

型号 ESC	80A-FOC
PWM输入信号电平 PWM Input Signal Level	3.3V/5V
工作脉宽 Throttle Pulse Width	1100-1940μs
工作频率 Compatible signal frequencies	50-500Hz
最大允许电压 Max Allowable Voltage	52.2V
最大持续电流 (散热良好) Maximum peak current (Continuous)	25A
最大允许电流 (峰值3秒) Maximum peak current (<3s)	80A

桨叶 Propeller

直径/螺距 Diameter × Thread Pitch	30*11inch
桨叶总重量 Total weight (inc. adapter)	192g
单片桨叶重量 Single propeller weight	51g

Voltage(V) 工作电压	Propeller 螺旋桨	Throttle (%) 油门	Thrust(g) 拉力	Current(A) 电流	Power(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 效率
46V (12S L1PO)	HW 30*11 Inch Foldable Propeller	40%	2535	4.6	210.4	1734	12.0
		42%	2840	5.3	243.4	1828	11.7
		44%	3088	5.9	271.8	1903	11.4
		46%	3373	6.6	306.2	1986	11.0
		48%	3675	7.5	344.5	2070	10.7
		50%	3950	8.3	380.8	2145	10.4
		52%	4255	9.2	422.7	2224	10.1
		54%	4490	9.9	455.8	2283	9.9
		56%	4845	11.0	507.6	2370	9.5
		58%	5230	12.3	565.7	2459	9.2
		60%	5610	13.6	624.9	2544	9.0
		62%	5890	14.5	669.8	2604	8.8
		64%	6295	16.0	736.5	2689	8.5
		66%	6728	17.6	809.9	2776	8.3
		68%	7063	18.9	868.5	2841	8.1
		70%	7348	20.0	919.5	2895	8.0
		72%	7670	21.2	978.3	2955	7.8
		74%	8338	24.0	1104.7	3075	7.5
		76%	8613	25.2	1158.5	3124	7.4
		78%	9080	27.2	1252.3	3205	7.3
80%	9613	29.6	1362.6	3295	7.1		
90%	12030	41.3	1898.7	3673	6.3		
100%	14499	52.3	2406.7	3863	6.0		