

HW-X6-Plus 动力套技术参数

HW-X6P Power System Technical Parameters

技术参数 Technical Parameters

| | |
|--|-----------|
| 最大拉力(46V) Max Thrust | 11.8 kg |
| 推荐锂电节数 Recommended Battery | 12-14 S |
| 推荐起飞重量 Recommended Takeoff Weight | 3.5-5.5kg |
| 动力总成重量 Total Weight | 790 g |
| 适用碳管尺寸 Powertrain Arm Tube Outer Diameter | φ 30 mm |
| 适用环境温度 Operating Temperature | -20~50°C |
| 防护等级 Ingress Protection | IPX6 |

电调 ESC

| | |
|--|-----------------|
| 型号 ESC | X-Rotor/80A-F0C |
| PWM输入信号电平 PWM Input Signal Level | 3.3V/5V |
| 工作脉宽 Throttle Pulse Width | 1050-1950 μs |
| 工作频率 Signal frequency | 50-500Hz |
| 最大允许电压 Max Allowable Voltage | 61V |
| 持续电流 (非密闭环境温度 ≤ 60 °C) Continuous Current (Non-hermetic Ambient Temperature ≤ 60°C) | 25A |
| 最大电流 (非密闭环境温度 ≤ 60 °C) Maximum Current (Non-hermetic Ambient Temperature ≤ 60°C) | 80A |

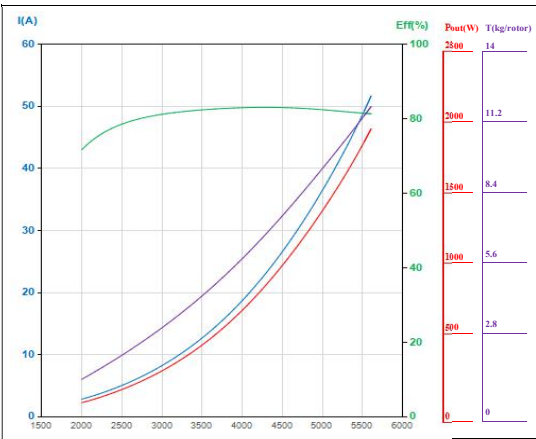
电机 Motor

| | |
|---------------------|--------------|
| 定子尺寸 Stator Size | φ 62 *18 |
| KV值 KV | 150 rpm/V |
| 电机尺寸 Motor Size | φ 69.4 *35.8 |

桨叶 Propeller

| | |
|--------------------------------------|------------|
| 直径/螺距 Diameter × Thread Pitch | 24*8.0inch |
| 桨叶总重量 Total weight (inc. adapter) | 107g |
| 单片桨叶重量 Single propeller weight | 33.5g |

负载性能参数 Load performance parameters



| 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) 能效 |
|--------------------|---|--------------------|-----------------|------------------|------------------|------------------|-----------------------|
| 46V (12S LiPo) | HW 24*8.0inch Foldable Propeller | 40% | 2416 | 4.6 | 212.2 | 2455 | 11.3 |
| | | 42% | 2732 | 5.5 | 253.5 | 2605 | 10.6 |
| | | 44% | 3058 | 6.4 | 296.6 | 2754 | 10.3 |
| | | 46% | 3377 | 7.4 | 343.8 | 2900 | 9.7 |
| | | 48% | 3746 | 8.7 | 401.8 | 3047 | 9.2 |
| | | 50% | 4106 | 9.9 | 460.2 | 3184 | 8.9 |
| | | 52% | 4419 | 11.2 | 519.9 | 3325 | 8.4 |
| | | 54% | 4822 | 12.5 | 580.2 | 3456 | 8.3 |
| | | 56% | 5209 | 14.1 | 653.4 | 3589 | 8.0 |
| | | 58% | 5476 | 15.6 | 724.6 | 3716 | 7.6 |
| | | 60% | 5947 | 17.3 | 800.2 | 3841 | 7.4 |
| | | 62% | 6370 | 19.1 | 886.2 | 3959 | 7.2 |
| | | 64% | 6709 | 20.7 | 958.4 | 4080 | 7.0 |
| | | 66% | 7086 | 22.6 | 1048.2 | 4194 | 6.7 |
| | | 68% | 7501 | 24.9 | 1153.8 | 4307 | 6.5 |
| | | 70% | 7779 | 26.6 | 1230.2 | 4415 | 6.3 |
| | | 72% | 8238 | 28.8 | 1332.1 | 4519 | 6.2 |
| | | 74% | 8654 | 31.0 | 1435.8 | 4627 | 6.0 |
| | | 76% | 9016 | 32.7 | 1514.0 | 4723 | 5.9 |
| | | 78% | 9294 | 35.1 | 1626.5 | 4821 | 5.7 |
| 80% | 9782 | 37.6 | 1742.3 | 4912 | 5.6 | | |
| 90% | 10731 | 43.6 | 2005.6 | 5142 | 5.3 | | |
| 100% | 11822 | 51.8 | 2399 | 5442 | 4.9 | | |

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 are measured under the environment of room temperature (25° C) and sea level altitude, changing the throttle input to adjust the thrust force.