

Specification

| ECO-X Series                          | ECO 2206X   |                                    |
|---------------------------------------|-------------|------------------------------------|
| Item NO. (商品编码)                       | 51378       | 51379                              |
| RPM/V(KV) (KV值)                       | 2300        | 1850                               |
| Weight w/o wire(g)(重量)                | 27          | 27                                 |
| Dimensions(mm,ODxL) (尺寸)              | 28x18.5     | 28x18.5                            |
| Mounting holes pitch (安装孔距)           | 16&19       | 16&19                              |
| Input wire (线规格)                      | 22AWG, 50mm | 22AWG, 50mm                        |
| Poles (槽极数)                           | 12N14P      | 12N14P                             |
| Idle Current(Io) @10V(A) (空载电流)       | 0.8         | 0.6                                |
| Resistance(Ri)(mOhm) (电阻)             | 67          | 101                                |
| Peak power(W)[15s] (峰值功率)             | 133         | 113                                |
| Bursts current(A)[15s] (最大电流)         | 11.9        | 10.2                               |
| Cruising power(W)[8+ mins] (巡航功率)     | 73          | 62                                 |
| Propeller(No. of Cell, Prop.) (螺旋桨配置) | 3S, GF 6x3  | 3S, GF 6x3, 7x3<br>4S, 5x3, GF 6x3 |
| Recommended ESC (调速器)                 | XC-12-Lite  | XC-12-Lite                         |
| Max. weightof quad-copter(kg)(4轴重量)   | 0.91        | 0.78                               |
| Max. weightof hex-copter(kg)(6轴重量)    | 1.22        | 1.04                               |

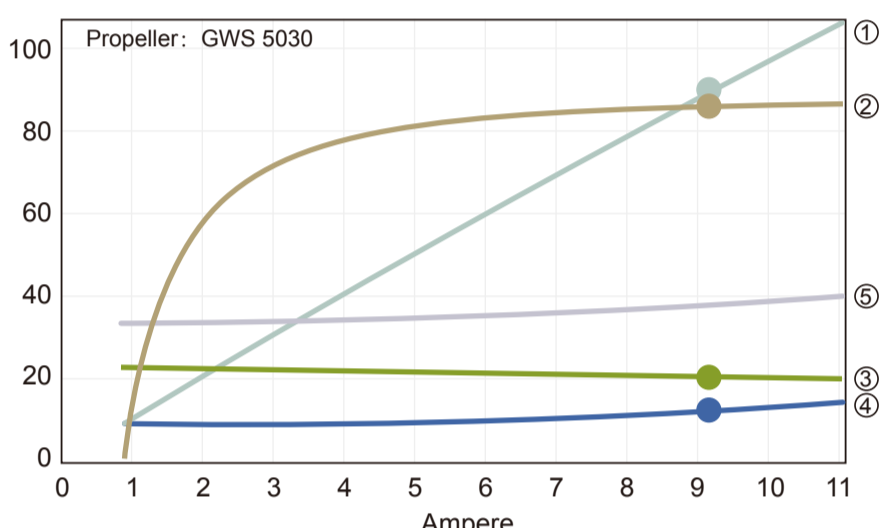
ECO 2206X (2300KV)

Motor @ Optimum Efficiency

最佳效率

|                       |          |
|-----------------------|----------|
| Current(电流):          | 10.1A    |
| Voltage(电压):          | 9.67V    |
| Revolutions(转速):      | 20075rpm |
| Electric Power(输入功率): | 97.7W    |
| Mech. Power(输出功率):    | 84.3W    |
| Efficiency(效率):       | 86.3%    |

Motor Characteristics



| Voltage (V)<br>工作电压 | Propeller<br>螺旋桨           | Throttle(%)<br>油门 | Thrust(g)<br>拉力 | Ampere(A)<br>电流 | Power(W)<br>功率 | g/W<br>效率 | RPM<br>转速 |  |
|---------------------|----------------------------|-------------------|-----------------|-----------------|----------------|-----------|-----------|--|
| 11.1V<br>(3S LIPO)  | GWS 5030                   | 50%               | 250             | 3.8             | 42.0           | 6.0       | 16414     |  |
|                     |                            | 60%               | 280             | 4.5             | 50.0           | 5.6       | 17665     |  |
|                     |                            | 70%               | 310             | 5.0             | 55.9           | 5.5       | 18519     |  |
|                     |                            | 85%               | 360             | 6.2             | 68.9           | 5.2       | 20117     |  |
|                     |                            | 100%              | 440             | 8.3             | 91.9           | 4.8       | 22791     |  |
|                     | GF 5x3 CF                  | 50%               | 250             | 4.1             | 46.0           | 5.4       | 15720     |  |
|                     |                            | 60%               | 290             | 5.0             | 54.9           | 5.3       | 16765     |  |
|                     |                            | 70%               | 330             | 5.8             | 63.9           | 5.2       | 17708     |  |
|                     |                            | 85%               | 390             | 7.1             | 78.9           | 4.9       | 19431     |  |
|                     | GWS 5030<br>(3 blades)     | 50%               | 270             | 4.2             | 47.0           | 5.8       | 15197     |  |
|                     |                            | 60%               | 310             | 5.0             | 55.9           | 5.5       | 16354     |  |
|                     |                            | 70%               | 350             | 5.9             | 64.9           | 5.4       | 17382     |  |
|                     |                            | 85%               | 430             | 7.5             | 82.9           | 5.2       | 19217     |  |
|                     | Propeller Overloaded 螺旋桨过载 |                   |                 |                 |                |           |           |  |
|                     | GF 6x3 CF                  | 50%               | 310             | 5.1             | 56.9           | 5.4       | 12582     |  |
|                     |                            | 60%               | 370             | 6.4             | 70.9           | 5.2       | 13731     |  |
| 70%                 |                            | 440               | 7.9             | 87.9            | 5.0            | 14828     |           |  |
| 85%                 |                            | 570               | 11.8            | 130.9           | 4.4            | 17280     |           |  |
| 100%                |                            | 710               | 16.0            | 177.8           | 4.0            | 19088     |           |  |

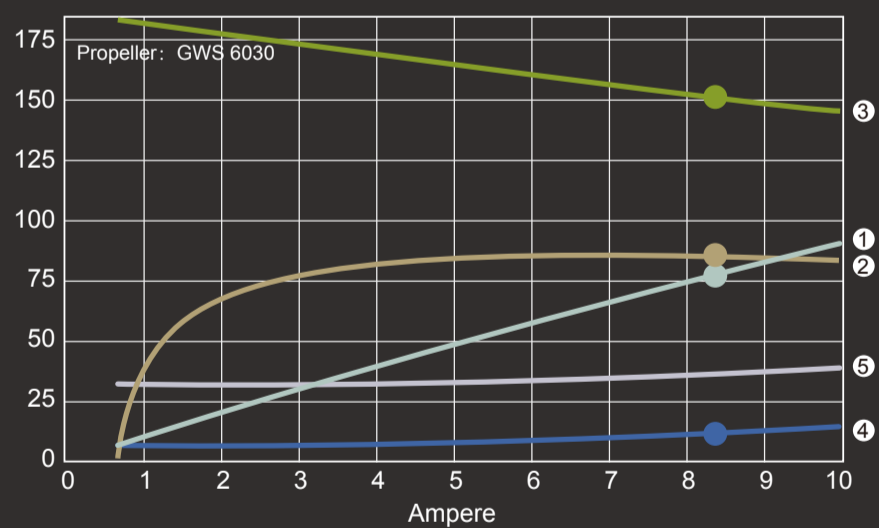
ECO 2206X (1850KV)

Motor @ Optimum Efficiency

最佳效率

|                       |          |
|-----------------------|----------|
| Current(电流):          | 6.98A    |
| Voltage(电压):          | 9.52V    |
| Revolutions(转速):      | 15812rpm |
| Electric Power(输入功率): | 66.5W    |
| Mech. Power(输出功率):    | 56.8W    |
| Efficiency(效率):       | 85.5%    |

Motor Characteristics



| Voltage (V)<br>工作电压 | Propeller<br>螺旋桨      | Throttle(%)<br>油门 | Thrust(g)<br>拉力 | Ampere(A)<br>电流 | Power(W)<br>功率 | g/W<br>效率 | RPM<br>转速 |
|---------------------|-----------------------|-------------------|-----------------|-----------------|----------------|-----------|-----------|
| 11.1V<br>(3S LIPO)  | GWS 5030              | 50%               | 160             | 2.3             | 26.0           | 6.2       | 13645     |
|                     |                       | 60%               | 190             | 2.7             | 30.0           | 6.3       | 14648     |
|                     |                       | 70%               | 200             | 3.0             | 33.0           | 6.1       | 15522     |
|                     |                       | 85%               | 240             | 3.5             | 39.0           | 6.2       | 16508     |
|                     |                       | 100%              | 310             | 4.7             | 51.9           | 6.0       | 18548     |
|                     | GWS 6030              | 50%               | 210             | 2.8             | 31.0           | 6.8       | 12171     |
|                     |                       | 60%               | 250             | 3.3             | 37.0           | 6.8       | 13020     |
|                     |                       | 70%               | 280             | 4.0             | 44.0           | 6.4       | 13714     |
|                     |                       | 85%               | 350             | 5.3             | 58.9           | 5.9       | 15471     |
|                     | FC 6045<br>(3 blades) | 50%               | 260             | 4.1             | 46.0           | 5.7       | 9102      |
|                     |                       | 60%               | 320             | 5.4             | 59.9           | 5.3       | 9942      |
|                     |                       | 70%               | 410             | 7.6             | 83.9           | 4.9       | 11365     |
|                     |                       | 85%               | 530             | 10.7            | 118.9          | 4.5       | 12865     |
|                     | GWS 5030              | 50%               | 270             | 3.2             | 48.0           | 5.6       | 17348     |
|                     |                       | 60%               | 310             | 3.9             | 57.3           | 5.4       | 18505     |
|                     |                       | 70%               | 350             | 4.5             | 66.6           | 5.3       | 19568     |
| 85%                 |                       | 410               | 5.5             | 81.3            | 5.0            | 21317     |           |
| 100%                |                       | 510               | 7.1             | 105.2           | 4.8            | 23742     |           |
| 14.8V<br>(4S LIPO)  | GF 5x3 CF             | 50%               | 270             | 3.5             | 51.9           | 5.2       | 16320     |
|                     |                       | 60%               | 320             | 4.2             | 62.6           | 5.1       | 17520     |
|                     |                       | 70%               | 360             | 5.0             | 73.3           | 4.9       | 18625     |
|                     |                       | 85%               | 430             | 6.4             | 94.6           | 4.5       | 20648     |
|                     | GF 6x3 CF             | 100%              | 530             | 8.4             | 123.9          | 4.3       | 23100     |
|                     |                       | 50%               | 340             | 4.2             | 62.6           | 5.4       | 13080     |
|                     |                       | 60%               | 420             | 5.6             | 82.6           | 5.1       | 14400     |
|                     |                       | 70%               | 500             | 7.0             | 103.9          | 4.8       | 15085     |
|                     |                       | 85%               | 650             | 10.5            | 155.8          | 4.2       | 18274     |
|                     |                       | 100%              | 780             | 14.0            | 206.5          | 3.8       | 20117     |