

ECO 400H High Speed

ECO POWER SYSTEMS

无刷动力套装

ECO 2312C V2 KV1500



Summit 30LITE U6



KV 值	1500
Turns 匝数	7
Weight 重量	58g
Dimensions(D x L) 尺寸	28.8x28.9 mm
Slots & Poles 槽数, 极数	12N14P
Ri(mOhm) 电阻	46.4
Io @10V (A) 空载电流	1.1
No.of Cells(LiPo) 适用电池	2..3
Max. EfficiencyCurrent 效率电流	16A
Max. Burst Current (15S) 峰值电流	26A
Max. Power(15S) 峰值功率	208W
Max. Torque [N*M] 峰值扭矩	0.20
Shaft diameter 轴径	3.175 mm
Mountingholes pitch 安装孔距	16/16
Input Connectors 输入链接	GC3.5
RecommendedESC 调速器	Summit 30LITE
Propeller 螺旋桨	8x4, 300W @12V with 3S LiPo
Class 适用机种	400 size, 400-800g sports airplanes

Dimensions (L x W x H) 尺寸(不含线材)	44 x 23 x 7.2 mm (w/o wire)
Weight (w/ wire) 重量(含线)	19.7g
Number of Cell 电池串数	2S-4S LiPo, 7.4V-14.8V
Continuous Current 连续电流	30A
Bursts Current 峰值电流	50A
Resistance (Ri)(mOhm) 内阻	~2.8 mΩ
Battery eliminate circuit BEC 能力	Approximate value (Ta = 25 °C, phase to phase, full open)
Signal & Frequency 信号、频率	6.0V, Switching mode, 4A const./8A peaks
Timing System 进角系统	Default = PWM(upto 333Hz), THR calibration Enabled
Motor Direction 旋转方向	Programmable (Default=16°)
Programming 设定方式	Normal - Reversed - Bidirectional (4D flight & EDF Braking)
Start Power 启动力度	USBLINK MP (BLHeli32_Suite)
Work Frequency 工作频率	Default = 100% (Programmable)
Telemetry 数据回传	LOW = 24KHz, High = 24KHz (Programmable)
Energy Recovery 能量回收	ON (Auto telemetry enabled, protocol=KISS)
Brake On Stop 刹车系统	YES (Default=Disable, freewheel)
Maximum speeds 最大转速	Default=OFF (Adjustable)
Low voltage protection 低电压保护	PWM at 8KHz: 510k erpm, Multishot at 16kHz: 450k erpm
Acceleration 加速度	Dshot at 8kHz: 470k erpm
Overheat protection 过热保护	Dshot at 16kHz with sine: 280k erpm
Water & dusty proof 防水性	Programmable (Default=3.00V/cell)
Beacon Beeps 寻机鸣叫	Programmable (Default=Maximum)
Input Wires 电源线	YES(Default=140 °C)
Wires to motor 电机线	IP43
Signal Wires 信号线	YES, 20 Mins
Tested motors 测试过的电机	18AWG, 120mm
Applications 应用场合	18AWG, 70mm w/ DB3F
	JR, 200mm + 1pin telemetry
	Dualsky EA V3 Line, Dualsky ECO V2 Line, Dualsky EG Full Line, Dualsky Typhoon Line....
	* Please follow the parameter compatibility requirements of the motor.
	Small to middle class electric powered gliders, 3D/sports airplanes, small F3As and Fixed wing UAVs/eVOLs

ECO 2312C (1500KV) 拉力图表

11.1V Motor @ Optimum Efficiency 优化效率点

14.6
A

Current
电流

14213
rpm

Revolutions
转速

153.7
W

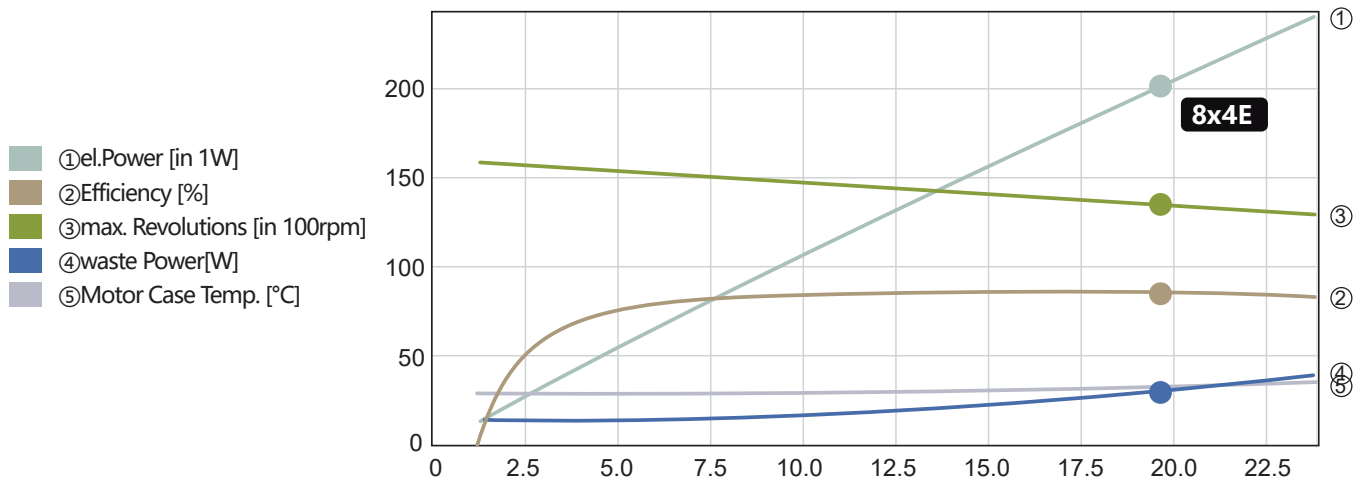
Electric Power
电功率

131.8
W

Mech. Power
机械功率

85.7
%

Efficiency
效率



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Voltage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
8x4E								
11.1V (3S LIPO)	4000	26	0.6	11.1	6.6	68.8	88	13.4
	5000	33	1.1	11.1	11.7	75.8	138	11.8
	6000	40	1.7	11	19.2	79.9	198	10.4
	7000	47	2.7	11	29.5	82.5	270	9.2
	8000	54	4	11	43.2	84	353	8.2
	9000	62	5.6	10.9	60.9	85	446	7.3
	10000	69	7.7	10.9	83	85.5	551	6.6
	11000	78	10.3	10.8	110.2	85.7	667	6.1
	12000	86	13.6	10.7	143	85.7	794	5.5
	13000	95	17.5	10.6	182	85.6	931	5.1
	13504	100	19.9	10.5	205.9	85.1	1005	4.9