

ECO 200H High Speed

ECO POWER SYSTEMS

无刷动力套装

ECO 2306C V2 KV2300



Summit 16LITE U6



KV 值	2300
Turns 匝数	9.5
Weight 重量	30g
Dimensions(D x L) 尺寸	28.5x20.9 mm
Slots & Poles 槽数, 极数	12N14P
Ri(mOhm) 电阻	61.2
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	13.5A
Max. Burst Current (15S) 峰值电流	22.5A
Max. Power(15S) 峰值功率	180W
Max. Torque [N*M] 峰值扭矩	0.112
Shaft diameter 轴径	3.175 mm
Mountingholes pitch 安装孔距	32
Input Connectors 输入链接	GC2.0
RecommendedESC 调速器	Summit 16LITE
Propeller 螺旋桨	5x4, 180W @12V with 3S LiPo
Class 适用机种	200-300g airplanes.e.g. Popular EPP profile planes
Dimensions (L x W x H) 尺寸(不含线材)	32 x 15 x 5.5 mm (w/o wire)
Weight (w/ wire) 重量(含线)	10.2g
Number of Cell 电池串数	2S-3S LiPo, 7.4V-11.1V
Continuous Current 连续电流	16A
Bursts Current 峰值电流	30A
Resistance (Ri)(mOhm) 内阻	~4.8 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, 2A const./4A 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	20AWG, 100mm, w/ JST
Applications 应用场合	20AWG, 50mm w/ DB2F
	JR, 150mm + 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 2306C (2300KV) 拉力图表

11.1V Motor @ Optimum Efficiency 优化效率点

12.7
A

Current
电流

21693
rpm

Revolutions
转速

134.8
W

Electric Power
电功率

113
W

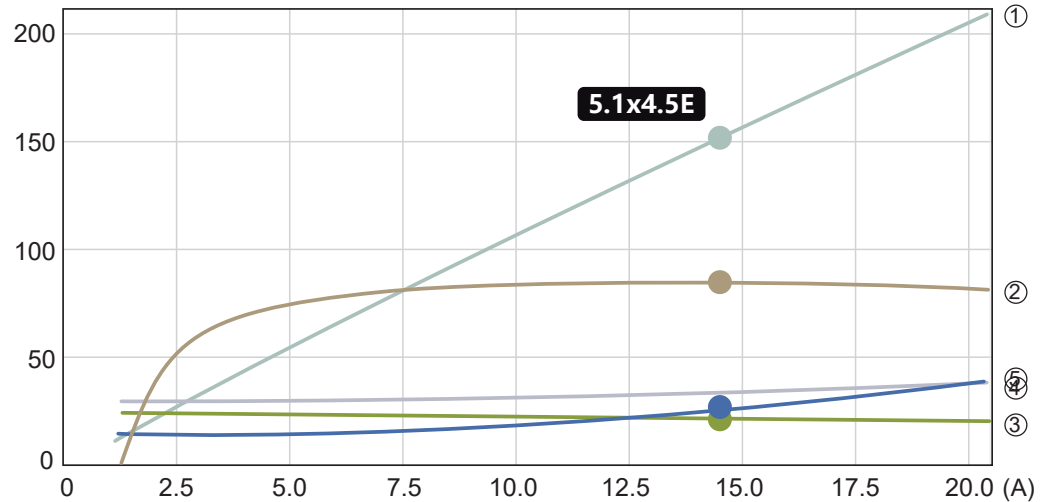
Mech. Power
机械功率

83.8
%

Efficiency
效率

Motor Characteristics

- ① el.Power [in 1W]
- ② Efficiency [%]
- ③ max. Revolutions [in 100rpm]
- ④ waste Power[W]
- ⑤ Motor Case Temp. [°C]



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Voltage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
11.1V (3S LIPO)	5.1x4.5E							
	3200	14	0.1	11.1	1.3	33.5	16	12.8
	4800	20	0.3	11.1	2.8	52.2	37	13.2
	6400	27	0.5	11.1	5.4	64.4	66	12.3
	8000	34	0.8	11.1	9.4	72.1	103	11
	9600	41	1.4	11.1	15.2	76.9	148	9.8
	11200	49	2.1	11	23.2	79.9	201	8.7
	12800	56	3.1	11	33.8	81.8	263	7.8
	14400	64	4.4	11	47.4	83	333	7
	16000	72	5.9	10.9	64.5	83.7	411	6.4
	17600	80	7.9	10.9	85.4	84.2	498	5.8
	19200	88	10.3	10.8	110.6	84.4	592	5.4
	20800	97	13.3	10.7	140.5	84.4	695	4.9
	21283	100	14.4	10.7	151.9	83.8	728	4.8