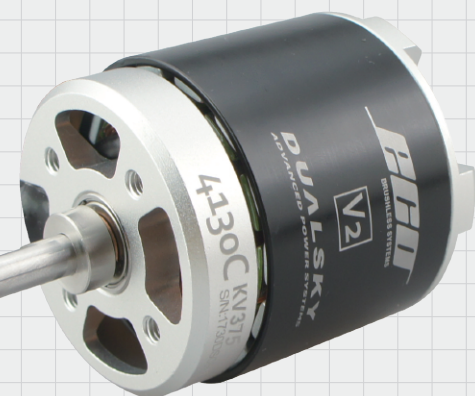


ECO 90E

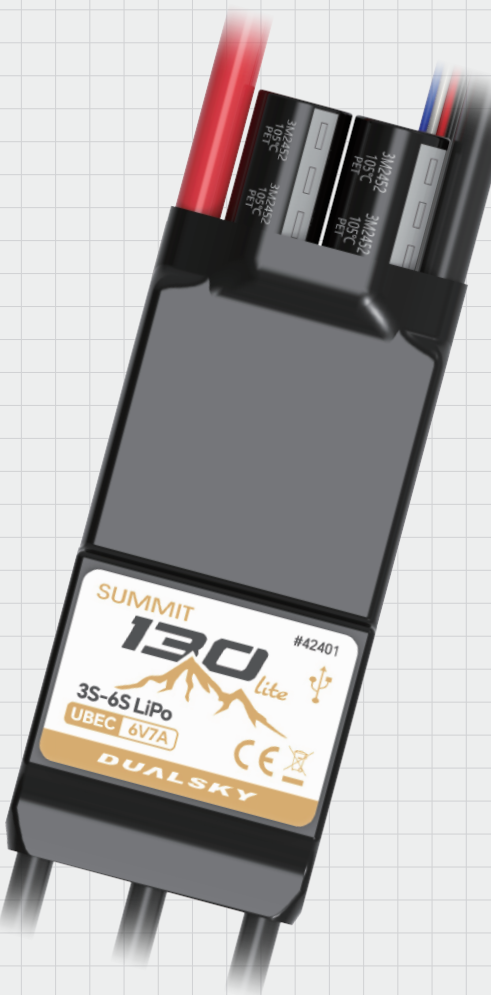
ECO POWER SYSTEMS

无刷动力套装

ECO 4130C V2 KV375



Summit 130LITE U6



KV 值	375
Turns 匝数	7
Weight 重量	380g
Dimensions(D x L) 尺寸	49.5x55.2 mm
Slots & Poles 槽数, 极数	12N14P
Ri(mOhm) 电阻	25.2
Io @10V (A) 空载电流	1.1
No.of Cells(LiPo) 适用电池	6
Max. EfficiencyCurrent 效率电流	48A
Max. Burst Current (15S) 峰值电流	80A
Max. Power(15S) 峰值功率	1920W
Max. Torque [N*M] 峰值扭矩	2.45
Shaft diameter 轴径	6 mm
Mountingholes pitch 安装孔距	30/30
Input Connectors 输入链接	GC4.0
RecommendedESC 调速器	Summit 130LITE
Propeller 螺旋桨	17x10, 1920W @24V with 6S LiPo
Class 适用机种	0.80 - .110 4-stroke

Dimensions (L x W x H) 尺寸(不含线材)	84 x 36 x 14.2 mm (w/o wire)
Weight (w/ wire) 重量(含线)	105.5g
Number of Cell 电池串数	3S-6S LiPo, 11.1V-22.2V
Continuous Current 连续电流	130A
Bursts Current 峰值电流	160A
Resistance (Ri)(mOhm) 内阻	~1.2 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, 7A const./10A peaks
Timing System 进角系统	Default = PWM(upto 333Hz), THR calibration Enabled
Motor Direction 旋转方向	Programmable (Default=18°)
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	50% (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	Default =125ms (Programmable)
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	10AWG, 200mm
	12AWG, 100mm w/ DB4F
	JR, 350mm + 1pin telemetry
	Dualsky EG, EA V3series, Dualsky ECO V2 Line, Dualsky GA Line....

Applications 应用场合

* Please follow the parameter compatibility requirements of the motor.

Middle class electric powered gliders,
3D/sports airplanes, F3As and Fixed wing UAVs/eVOLs

ECO 4130C (375KV) 拉力图表

22.2V Motor @ Optimum Efficiency 优化效率点

33.1
A

Current
电流

7517
rpm

Revolutions
转速

717.5
W

Electric Power
电功率

655.4
W

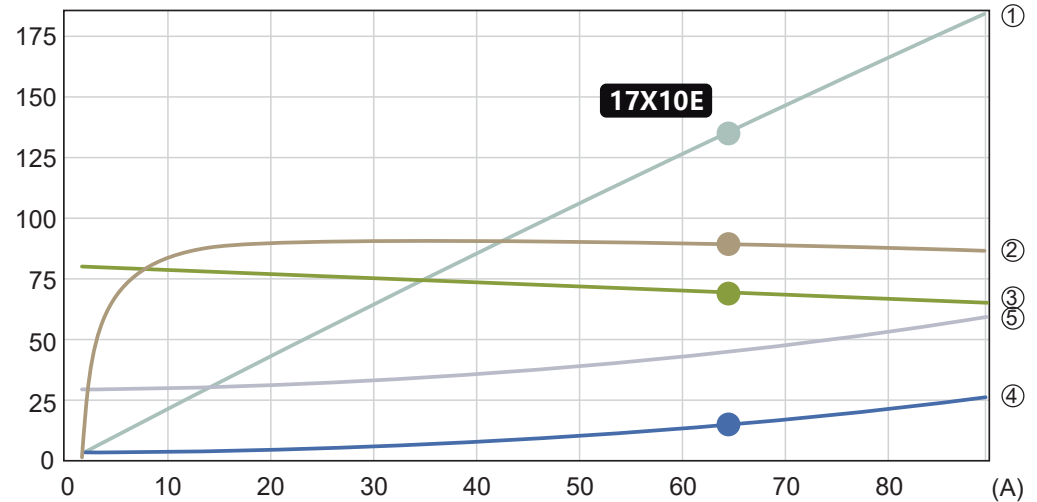
Mech. Power
机械功率

91.3
%

Efficiency
效率

Motor Characteristics

- ① el.Power [in 10W]
- ② Efficiency [%]
- ③ max. Revolutions [in 100rpm]
- ④ waste Power[W]
- ⑤ Motor Case Temp. [°C]



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
22.2V (6S LIPO)	17x10E							
	2500	32	3	22.2	66.2	85.3	826	12.5
	3000	39	5	22.1	111.2	87.8	1190	10.7
	3500	46	7.9	22.1	174	89.1	1619	9.3
	4000	53	11.8	22	257.8	89.8	2115	8.2
	4500	60	16.7	21.9	365.9	90.1	2677	7.3
	5000	68	23.1	21.9	501.6	90.1	3305	6.6
	5500	75	30.9	21.7	668.3	90	3999	6
	6000	83	40.5	21.6	869.7	89.8	4759	5.5
	6500	92	52.1	21.4	1109.4	89.5	5585	5
	6974	100	65.4	21.2	1378.3	89.1	6429	4.7