

ECO 70E

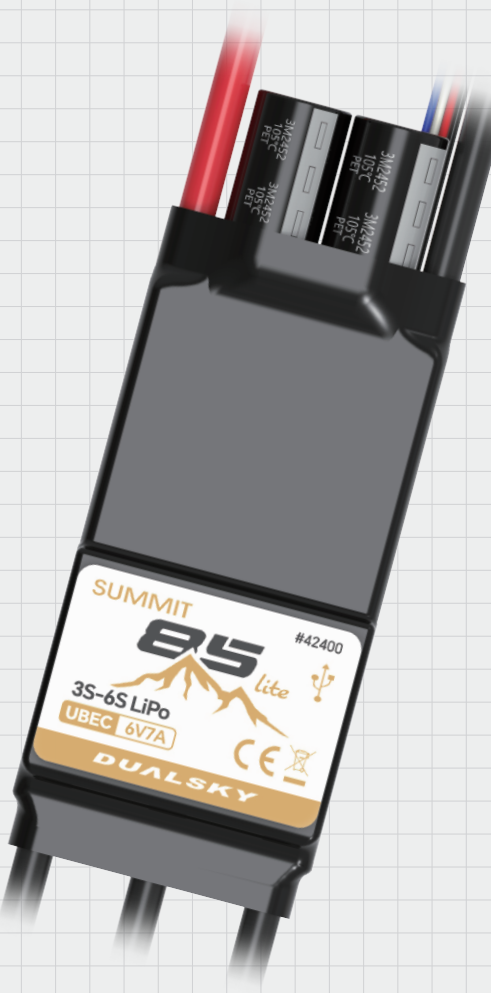
ECO POWER SYSTEMS

无刷动力套装

ECO 4120C V2 KV500



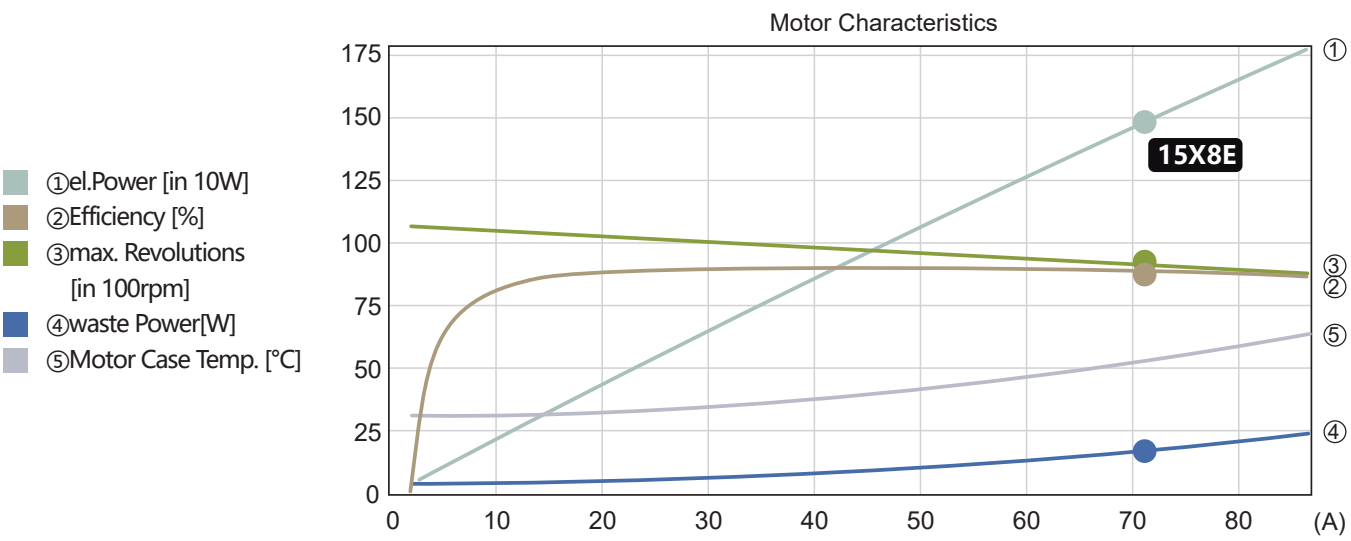
Summit 85LITE U6



KV 值	500
Turns 匝数	8
Weight 重量	280g
Dimensions(D x L) 尺寸	49.5x45.2 mm
Slots & Poles 槽数, 极数	12N14P
Ri(mOhm) 电阻	25.0
Io @10V (A) 空载电流	1.1
No.of Cells(LiPo) 适用电池	5..6
Max. EfficiencyCurrent 效率电流	36A
Max. Burst Current (15S) 峰值电流	60A
Max. Power(15S) 峰值功率	1440W
Max. Torque [N*M] 峰值扭矩	1.38
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 85LITE
Propeller 螺旋桨	15x8, 1440W @24V with 6S LiPo
Class 适用机种	.65-.70 4-stroke .46-.55 2-stroke For popular 70E 3A&3D airplanes
Dimensions (L x W x H) 尺寸(不含线材)	84 x 36 x 9.5 mm (w/o wire)
Weight (w/ wire) 重量(含线)	84g
Number of Cell 电池串数	3S-6S LiPo, 11.1V-22.2V
Continuous Current 连续电流	85A
Bursts Current 峰值电流	110A
Resistance (Ri)(mOhm) 内阻	~2.4 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	12AWG, 200mm
Applications 应用场合	12AWG, 100mm w/ DB4F
	JR, 350mm + 1pin telemetry
	Dualsky EG, EA V3series, Dualsky ECO V2 Line, Dualsky GA Line....
	* Please follow the parameter compatibility requirements of the motor.
	Middle class electric powered gliders, 3D/sports airplanes, F3As and Fixed wing UAVs/eVOLs

ECO 4120C (500KV) 拉力图表

22.2V Motor @ Optimum Efficiency 优化效率点



Voltage (V)	Propeller (RPM)	Throttle (%)	Current (A)	Volage (V)	el. Power (W)	Efficiency (%)	Thrust (g)	Spec. Thrust (g/W)
22.2V (6S LIPO)	15x8E							
	2800	27	2.1	22.2	45.9	83.8	570	12.4
	3500	34	3.9	22.1	86.3	87.1	890	10.3
	4200	41	6.6	22.1	146.4	88.7	1282	8.8
	4900	49	10.5	22	230.5	89.5	1744	7.6
	5600	56	15.7	21.9	343.1	89.7	2278	6.6
	6300	64	22.5	21.8	488.8	89.7	2883	5.9
	7000	73	31.1	21.7	672.1	89.5	3560	5.3
	7700	81	42	21.5	897.8	89.1	4307	4.8
	8400	90	55.3	21.3	1171	88.7	5126	4.4
	9100	100	71.7	21	1496.5	88.3	6016	4