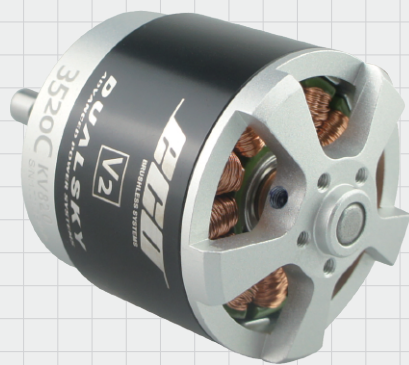


ECO 40E

ECO POWER SYSTEMS

无刷动力套装

ECO 3520C V2 KV820



Summit 60LITE U6



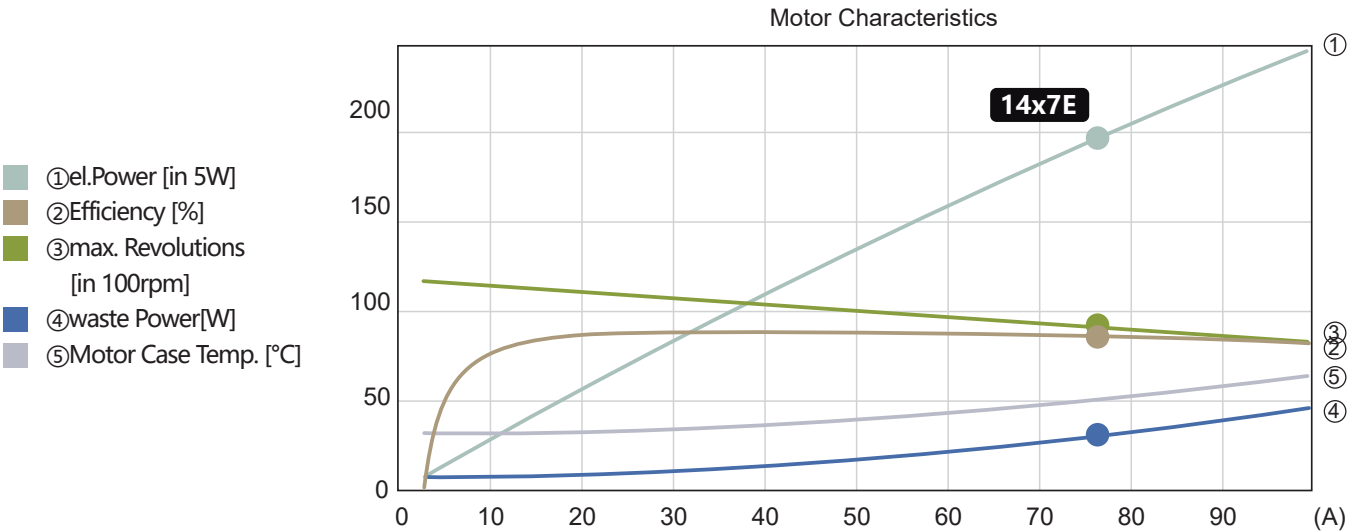
KV 值	820
Turns 匝数	5
Weight 重量	210g
Dimensions(D x L) 尺寸	43.2x42.4 mm
Slots & Poles 槽数, 极数	12N14P
Ri(mOhm) 电阻	18.7
Io @10V (A) 空载电流	1.7
No.of Cells(LiPo) 适用电池	3..4
Max. EfficiencyCurrent 效率电流	40A
Max. Burst Current (15S) 峰值电流	65A
Max. Power(15S) 峰值功率	1040W
Max. Torque [N*M] 峰值扭矩	0.91
Shaft diameter 轴径	6 mm
Mountingholes pitch 安装孔距	25/25
Input Connectors 输入链接	GC4.0
RecommendedESC 调速器	Summit 60LITE
Propeller 螺旋桨	14x7, 1040W @16V with 4S LiPo
Class 适用机种	.50 4-stroke .32-.40 (40E) 2-stroke

Dimensions (L x W x H) 尺寸(不含线材)	66 x 25 x 10.7 mm (w/o wire)
Weight (w/ wire) 重量(含线)	49g
Number of Cell 电池串数	3S-6S LiPo, 11.1V-22.2V
Continuous Current 连续电流	60A
Bursts Current 峰值电流	80A
Resistance (Ri)(mOhm) 内阻	~1.4 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, 6A const./10A 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	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	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	14AWG, 150mm
Applications 应用场合	14AWG, 80mm w/ DB4F

Summit 60LITE	Summit 60LITE
14x7, 1040W @16V with 4S LiPo	14x7, 1040W @16V with 4S LiPo
.50 4-stroke .32-.40 (40E) 2-stroke	.50 4-stroke .32-.40 (40E) 2-stroke
Dimensions (L x W x H) 尺寸(不含线材)	66 x 25 x 10.7 mm (w/o wire)
Weight (w/ wire) 重量(含线)	49g
Number of Cell 电池串数	3S-6S LiPo, 11.1V-22.2V
Continuous Current 连续电流	60A
Bursts Current 峰值电流	80A
Resistance (Ri)(mOhm) 内阻	~1.4 mΩ
Battery eliminate circuit BEC 能力	Approximate value (Ta = 25 °C, phase to phase, full open)
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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	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	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	14AWG, 150mm
Applications 应用场合	14AWG, 80mm 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 3520C (820KV) 拉力图表

14.8V 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)
14.8V (4S LIPO)	14x7E							
	3600	33	4.4	14.7	64	84.8	670	10.5
	4200	39	6.9	14.6	100	86.3	912	9.1
	4800	45	10.2	14.6	148	87	1191	8
	5400	51	14.6	14.5	210.1	87.2	1507	7.2
	6000	58	20.2	14.4	288.3	87.2	1861	6.5
	6600	65	27.3	14.2	384.5	87	2251	5.9
	7200	73	36.1	14	501	86.7	2679	5.3
	7800	81	46.9	13.8	639.9	86.3	3144	4.9
	8400	90	60.2	13.5	803.5	85.9	3647	4.5
	9000	100	76.5	13.1	994.1	85.4	4186	4.2