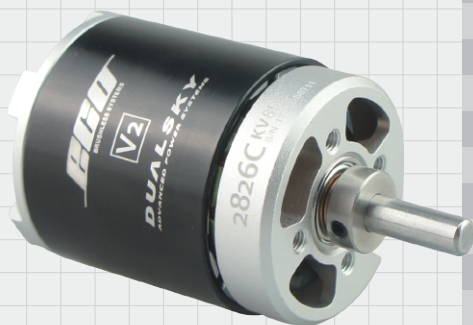


ECO 30E

ECO POWER SYSTEMS

无刷动力套装

ECO 2826C V2 KV850



Summit 45LITE U6



KV 值	850
Turns 匝数	4.5
Weight 重量	167g
Dimensions(D x L) 尺寸	35.2x46.2 mm
Slots & Poles 槽数, 极数	12N14P
Ri(mOhm) 电阻	26.9
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	30A
Max. Burst Current (15S) 峰值电流	45A
Max. Power(15S) 峰值功率	720W
Max. Torque [N*M] 峰值扭矩	0.61
Shaft diameter 轴径	5 mm
Mountingholes pitch 安装孔距	19/19
Input Connectors 输入链接	GC3.5
RecommendedESC 调速器	Summit 45LITE
Propeller 螺旋桨	13x6.5, 720W @16V with 4S LiPo
Class 适用机种	.25-.32 (30E)Class e.g. Extreme Flight 48" airplanes

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)	44g
Number of Cell 电池串数	3S-6S LiPo, 11.1V-22.2V
Continuous Current 连续电流	45A
Bursts Current 峰值电流	70A
Resistance (Ri)(mOhm) 内阻	~3.0 mΩ
Battery eliminate circuit BEC 能力	Approximate value (Ta = 25 °C, phase to pase, 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	16AWG, 80mm w/ DB3F
	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

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167g
35.2x46.2 mm
12N14P
26.9
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30A
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Programmable (Default=16°)
Normal - Reversed - Bidirectional (4D flight & EDF Braking)
USBLINK MP (BLHeli32_Suite)
100% (Programmable)
LOW = 24KHz, High = 24KHz (Programmable)
ON (Auto telemetry enabled, protocol=KISS)
YES (Default=Disable, freewheel)
Default=OFF (Adjustable)
PWM at 8KHz: 510k erpm, Multishot at 16kHz: 450k erpm
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ECO 2826C (850KV) 拉力图表

14.8V Motor @ Optimum Efficiency 优化效率点

31.2
A

Current
电流

10785
rpm

Revolutions
转速

437.9
W

Electric Power
电功率

380.2
W

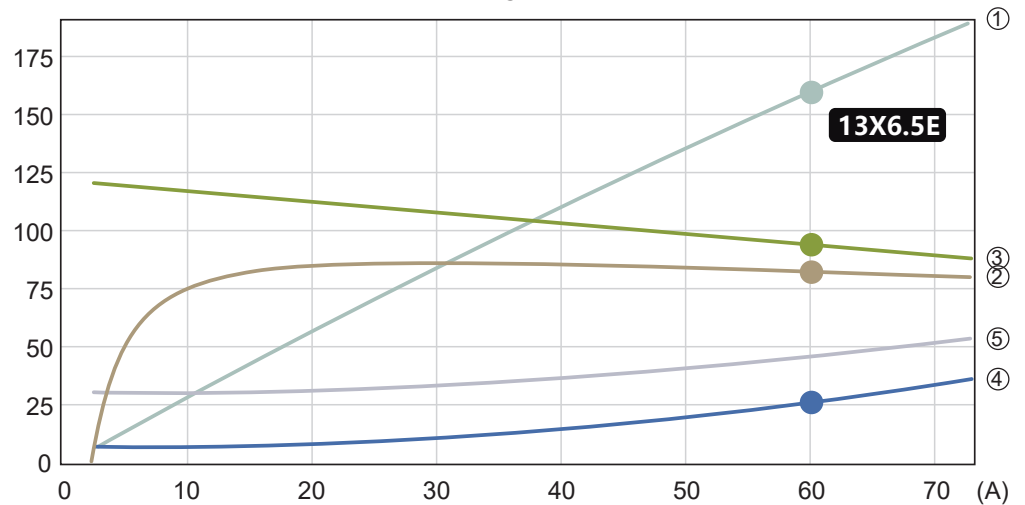
Mech. Power
机械功率

86.8
%

Efficiency
效率

Motor Characteristics

- ① el.Power [in 5W]
- 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)
14.8V (4S LIPO)								
13X6.5E								
	2800	24	1.6	14.8	23.2	76	301	13
	3500	31	2.9	14.7	42.6	80.8	471	11
	4200	38	4.9	14.7	71.4	83.3	678	9.5
	4900	45	7.7	14.6	111.7	84.6	923	8.3
	5600	52	11.5	14.5	165.7	85.2	1205	7.3
	6300	59	16.4	14.4	235.6	85.3	1525	6.5
	7000	67	22.8	14.3	323.8	85.1	1883	5.8
	7700	76	30.9	14.1	432.7	84.8	2278	5.3
	8400	85	41	13.9	564.7	84.4	2711	4.8
	9100	95	53.6	13.6	722.5	83.8	3182	4.4
	9428	100	61	13.5	812.9	83.2	3416	4.2