

ECO 480

ECO POWER SYSTEMS

无刷动力套装

ECO 2316C V2 KV1250



Summit 30LITE U6



KV 值	1250
Turns 匝数	6.5
Weight 重量	72g
Dimensions(D x L) 尺寸	28.8x32.9 mm
Slots & Poles 槽数, 极数	12N14P
Ri(mOhm) 电阻	52.2
Io @10V (A) 空载电流	1.0
No.of Cells(LiPo) 适用电池	2..3
Max. EfficiencyCurrent 效率电流	18A
Max. Burst Current (15S) 峰值电流	30A
Max. Power(15S) 峰值功率	360W
Max. Torque [N*M] 峰值扭矩	0.28
Shaft diameter 轴径	3.175 mm
Mountingholes pitch 安装孔距	16/16
Input Connectors 输入链接	GC3.5
RecommendedESC 调速器	Summit 30LITE
Propeller 螺旋桨	10x7, 360W @12V with 3S LiPo
Class 适用机种	For 600-1400g airplanes

Dimensions (L x W x H) 尺寸(不含线材)	44 x 23 x 7.2 mm (w/o wire)
Weight (w/ wire) 重量(含线)	19.7g
Number of Cell 电池串数	2S-4S LiPo, 7.4V-14.8V
Continuous Current 连续电流	30A
Bursts Current 峰值电流	50A
Resistance (Ri)(mOhm) 内阻	~2.8 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, 4A const./8A 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

Applications 应用场合

1250
6.5
72g
28.8x32.9 mm
12N14P
52.2
1.0
2..3
18A
30A
360W
0.28
3.175 mm
16/16
GC3.5
Summit 30LITE
10x7, 360W @12V with 3S LiPo
For 600-1400g airplanes

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 2316C (1250KV) 拉力图表

11.1V Motor @ Optimum Efficiency 优化效率点

13.5
A

Current
电流

12157
rpm

Revolutions
转速

146
W

Electric Power
电功率

125
W

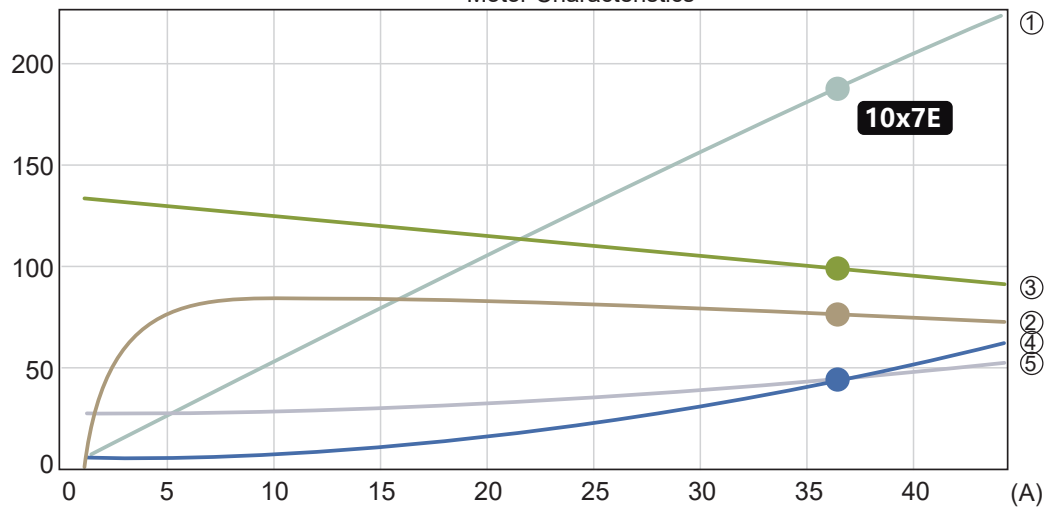
Mech. Power
机械功率

85.6
%

Efficiency
效率

Motor Characteristics

- ① el.Power [in 2W]
- 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)	10x7E							
	2800	23	0.8	11.1	8.8	75.4	148	16.7
	3500	29	1.5	11.1	16.4	79.3	231	14.1
	4200	35	2.5	11.1	27.7	81.1	332	12
	4900	42	4	11	43.6	81.7	452	10.4
	5600	49	6	11	65.1	81.7	591	9.1
	6300	56	8.6	11	93.2	81.3	748	8
	7000	64	11.9	10.9	128.8	80.7	923	7.2
	7700	72	16.1	10.8	173.1	79.9	1117	6.5
	8400	80	21.3	10.7	227.1	79.1	1329	5.9
	9100	89	27.7	10.6	292	78.2	1560	5.3
	9800	99	35.5	10.5	369	77.3	1809	4.9
	9890	100	36.9	10.5	383.4	76.8	1842	4.8