CC BEC COMPARISON CHART

CC BEC (for reference)	CC BEC 2.0 WP (for reference)	CC BEC 2.0 (in package)
010-0004-00	010-0153-00	010-0154-00
APPLICATIONS:		
Crawlers, racing, sport planes, night flyers	Crawlers, marine, sea planes, UAS, industrial	Helis, planes, UAS, racing
DIMENSIONS:		
L: 1.70" (43mm) W: 0.57" (15mm) H: 0.48" (12mm)	L: 1.37" (35mm) W: 0.69" (18mm) H: 0.75" (19mm)	L: 1.69" (43mm) W: 0.56" (14mm) H: 0.32" (8mm)
WEIGHT:		
0.5 oz (13g) [1]	1.0 oz (28g) [1]	0.7 oz (21g) [1]
PEAK CURRENT:		
10A [2]	15A [2] (dependent upon input voltage and output voltage)	14A [2] (dependent upon input and output voltages)
CONTINUOUS OUTPUT CURRENT:		
2S - 3S: 7A 3S - 6S: 5A	4.75 - 6.0V output: 10A 6.25 - 8.5V output: 9A 8.75 - 10.0V output: 8A 10.25 - 12.0V output: 7A	4.75 - 7.0V output: 9A 7.25 - 8.5V output: 8A 8.75 - 10.0V output: 7A 10.25 - 12.0V output: 6A
ADJUSTABLE OUTPUT VOLTAGE:		
4.8V to 9V [3]	4.75V to 12V [3]	4.75 to 12V [3]
DEFAULT SETTING		
5.1V	5.25V	5.25V
MAX VOLTAGE:		
6S LiPo (25.2V)	Surface: 12S (50.4V) Air (no brake): 14S (58.8V) Air (w/brake): 12S (50.4V)	Surface: 12S (50.4V) Air (No Brake): 14S (58.8V) Air (w/Brake): 12S (50.4V)

CC BEC 2.0 PEAK CURRENT RATING

	OUTPUT VOLTAGE SETTING						
LiPo Cells	≤ 5.25V	6V	7V	8V	9V & 10	11V	12V
8S -14S	14A	13A	12A	11A	10A	9A	8A
6S	13A	13A	12A	11A	10A	9A	8A
4S	13A	12A	11A	10A	10A	9A	8A
3S	12A	11A	11A	10A	10A	–	–
2S	11A	10A	10A	–	–	–	–

1. Weight with full length wires, power wires may be shortened to save weight depending on application
2. Ratings are determined with a 5mph airflow at 77° F (25° C).
3. Adjustable via Castle Link, sold separately.

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P/N: 010-0154-00

This is a high power product with the potential to be very dangerous. Please read the safety information before use. This product may contain chemicals known to the State of California to cause cancer and or birth defects or other reproductive harm.

U.S. Patent # 7400103, 7492122, 7579796, 7440516, 8287328, and 8678875 - Other patents pending.

Product designed and manufactured in Olathe, Kansas USA.

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PKG: 095-0348-01

REVISION DATE: 03/2017

castle™

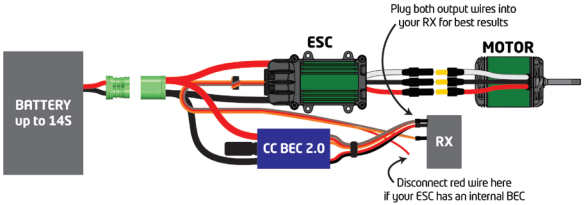
CC BEC 2.0

BATTERY ELIMINATOR CIRCUIT
SWITCHING VOLTAGE REGULATOR

- WIDE INPUT RANGE 2S - 14S MAX (6V - 58.8V)
- 14 AMP (5.25V@12S) PEAK OUTPUT CURRENT
- 4.75 - 12V ADJUSTABLE OUTPUT VOLTAGE

Single battery configuration

1. Solder the CC BEC 2.0 black ground wire to ESC's black battery ground wire.
2. Solder the CC BEC 2.0 red power wire to ESC's red battery power wire.
3. If your ESC has an internal BEC, you must disconnect the red wire on the ESC's receiver lead.
4. If your ESC does not have an internal BEC, do NOT disconnect the red wire.
5. Plug both output leads of the CC BEC 2.0 into separate channels on your receiver.



Voltage Output

Default setting: 5.25 volts. User selectable in 0.25 volt increments between 4.75 and 12 volts.

Castle Link USB Interface required to change output voltage (sold separately).

Low Input Voltage

In the event that the input voltage falls below the desired output voltage, the CC BEC 2.0 output is essentially equal to the input level. CC BEC 2.0 cannot output more voltage than the battery it draws from. The CC BEC 2.0 will not operate or produce any output when input voltage drops below 3.5 volts.

RF Noise

Always range check your model. This device should be treated much like a speed control. Try to keep as much distance as possible between the radio receiver and components and the CC BEC unit.

Notes

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