CC BEC COMPARISON CHART

CC BEC (for reference)	CC BEC Pro (for reference)	CC BEC 2.0 WP (in package)
010-0004-00	010-0004-01	010-0153-00
APPLICATIONS:		
Crawlers, racing, sport planes, night flyers	Helis, 1:5 scale cars, giant scale planes, UAS	Crawlers, marine, sea planes, UAS, industrial
DIMENSIONS:		
L: 1.70" (43mm) W: 0.57" (15mm) H: 0.48" (12mm)	L: 1.86" (47mm) W: 1.30" (33mm) H: 0.86" (22mm)	L: 1.37" (35mm) W: 0.69" (18mm) H: 0.75" (19mm)
WEIGHT:		
0.5 oz (13g) [1]	1.4 oz (40g) [1]	1.0 oz (28g) [1]
PEAK CURRENT:		
10A [2]	20A [2]	15A [2] (dependent upon input voltage and output voltage. See table below.)
CONTINUOUS OUTPUT CURRENT:		
2S - 3S: 7A 3S - 6S: 5A	2S - 4S: 15A 5S - 6S: 13A 7S - 8S: 11A 9S - 10S: 9A 11S - 12S:8A	4.75 - 6.0V output: 10A 6.25 - 8.5V output: 9A 8.75 - 10V output: 8A 10.25 - 12.0V output: 7A
ADJUSTABLE OUTPUT VOLTAGE:		
4.8V to 9V [3]	4.8V to 12.5V [3]	4.75V to 12V [3]
DEFAULT SETTING		
5.1V	5.1V	5.25V
MAX VOLTAGE:		
6S LiPo (25.2V)	Surface: 8S (33.6V) Airplanes: 10S (42V) Helis (no brake): 12S (50.2V)	Surface: 12S (50.4V) Air (no brake): 14S (58.8V) Air (w/brake): 12S (50.4V)

CC BEC 2.0 WP PEAK CURRENT RATING

	OUTPUT VOLTAGE SETTING						
LiPo Cells	**<5.5V**	**6V**	**7V**	**8V**	**9V**	**10V & 11V**	**12V**
8S -14S	15A	14A	13A	12A	11A	10A	9A
4S - 6S	14A	13A	12A	12A	11A	10A	9A
3S	13A	12A	11A	11A	10A	–	–
2S	12A	11A	11A	–	–	–	–

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.

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.

P/N: 010-0153-00

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castle™

CC BEC 2.0

BATTERY ELIMINATOR CIRCUIT
SWITCHING VOLTAGE REGULATOR

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

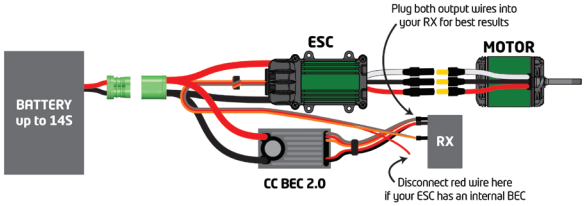
RECOMMENDED FOR:

- SURFACE
- MARINE
- SEA PLANES
- INDUSTRIAL

WATERPROOF

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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OPEN FLAP FOR WIRING DIAGRAMS

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