

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, URS	Crawlers, marine, sea planes, URS, 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	5.0 - 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: 9S (33.6V) Airplanes: 10S (42V) Helis (no brake): 12S (50.2V)	Surface: 12S (50.2V) Air (no brake): 14S (58.8V) Air (w/brake): 12S (50.2V)					
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.

P/N: 010-0153-00



Product designed and circuit boards manufactured in Olathe, Kansas USA.
Assembled in Olathe, Kansas USA

RECOMMENDED FOR:
• SURFACE
• SEA PLANES
• MARINE
• INDUSTRIAL

W A T E R P R O O F

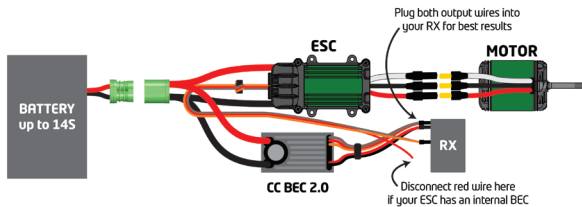


CC-BEC 2.0
BATTERY ELIMINATOR CIRCUIT
SWITCHING VOLTAGE REGULATOR

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

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 (P/N: 010-0005-00) 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



OPEN FLAP FOR WIRING DIAGRAMS

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