

Xcontroller Battery Eliminator Circuit Instructions

Dualsky Xcontroller provides a linear Battery Eliminator Circuit (BEC) that will convert the voltage in your battery pack to the proper voltage for the operation of your receiver and servos. The Linear BEC will supply up to 2 amps of current with a 2S LiPo pack. Please note that the current supplied by the BEC is limited, and that the capacity is affected by the number of cells in your system. Higher numbers of cells REDUCE the amount of current your BEC can deliver. Refer to the following chart as a guide for BEC usage.

If you are using more than ten NiMH/NiCad cells, more than 3 LiPo cells, or your power consumption is excessive, you must disable the Linear BEC and use a separate power source for the receiver. Disable the BEC by cutting or removing the red wire from the servo lead wire on the controller. Do not use the BEC to power other items on your plane such as lights.

If your ESC has a Switch Mode BEC(UBEC),you can use 2S-6S Lipo packs as a power source,because with this voltage, the UBEC can supply 3A current steadily to insure that up to 5 servos will work normally.

NO.	ESC NO.	Max Cont. Current(A)	BEC / Dissipative Power	2S LiPo / 5-7 Cells NiXX	3S LiPo / 8-10 Cells NiXX	> 3S LiPo / > 10 Cells NiXX
1	XC0610BA-V2	6	5V/1A (1W, Linear)	Micro x4	Micro x 3	Do not use BEC
2	XC1010BA-V2	10	5V/1A (1.2W, Linear)	Mini x4	Mini x3	Do not use BEC
3	XC1210BA-V2	12	5V/1A (1.5W, Linear)	Mini x4	Mini x3	Do not use BEC
4	XC1812BA-V2	18	5V/2A (2W, Linear)	Mini x 6 Standard x4	Mini x4 Standard x3	Do not use BEC
5	XC2512BA-V2	25	5V/2A (2W, Linear)	Mini x 6 Standard x4	Mini x4 Standard x3	Do not use BEC
6	XC3012BA-V2	30	5V/2A (2W, Linear)	Mini x 6 Standard x4	Mini x4 Standard x3	Do not use BEC
7	XC4018BA-V2	40	5V/3A (Switching)	2-6S LiPo Supported 5 Standard Digital Servos or 10 Analog Standard Servos		
8	XC6018BA-V2	60	5.5V/3A (Switching)			
9	XC8018BA-V2	80	5.5V/3A (Switching)			
10	XC9036HV-V2	90	N/A, OPTO	N/A		