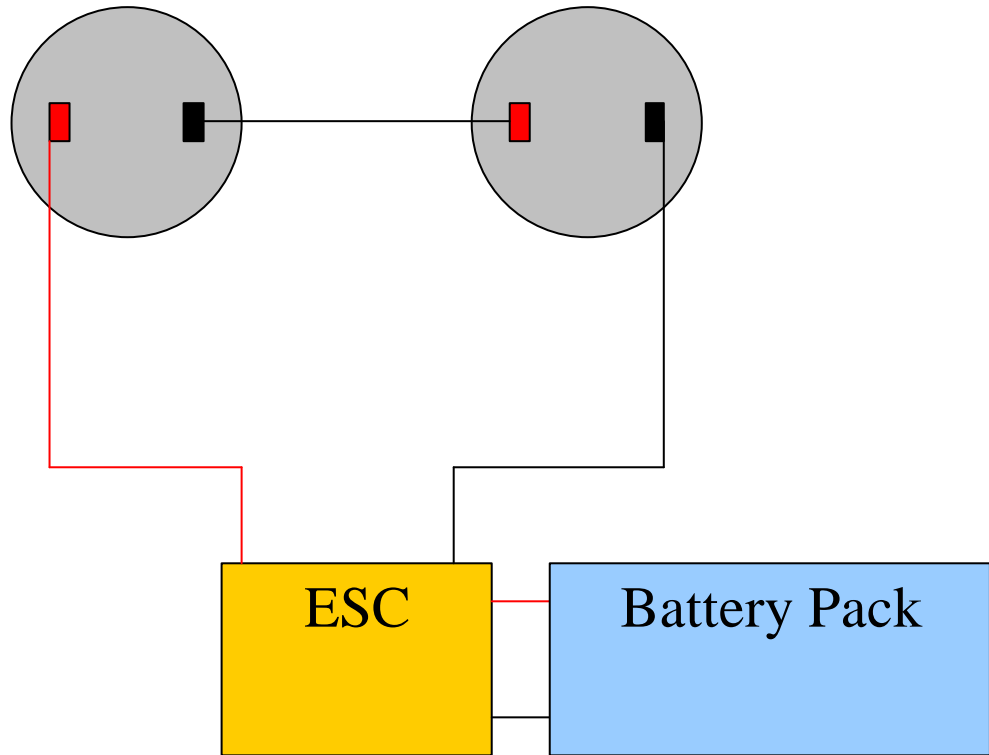


Motors in Series



Advantages:

Half the cell pack voltage is applied to each motor, allowing for twice the number of cells to be used. This virtually doubles the output power without increasing the current passing through the ESC and drawn from the battery pack.

One motor can be timed to run in reverse allowing the use of contra-rotating propellers.

Both motors can be linked to a single drive shaft via a gearbox.

Disadvantages:

Additional cells are required to meet the full power potential.

ESC voltage rating needs to be sufficient to cater for the additional cell pack voltage.

Additional weight compared with a single motor installation.

The information in this document is presented in good faith. The author cannot accept any responsibility for loss, damage or injury resulting from this advice. You should take all reasonable safety precautions before attempting any work.