**MOTOR SIZING**

W=0.5\*9.8=4.9

F=4.9\*0.4=1.96

T=1.96\*25\*1.5 = 73.5 N-cm=7.49491416 kg-cm

N=15 rpm

**BATTERY SIZING**

P=(2\*3.142\*N\*T)/60=11.5V