$lc = 31.718, \, hc = 126.711, \, eta = 0.4660, \\ fixed overlap = 0, coil winding len = 124, \, RMSE = 9.286 \, (round), \, max \, Li \, deviation = 5.29, \, ave. \, li \, deviation = 1.77 \\ optimizer \, flag = 2$ 

