$lc = 31.608, \, hc = 124.672, \, eta = 0.4650, \\ fixed overlap = 0, coil winding len = 124, RMSE = 9.167 \, (round), \, max \, Li \, deviation = 4.32, \, ave. \, li \, deviation = 1.76 \\ optimizer \, flag = 3$

