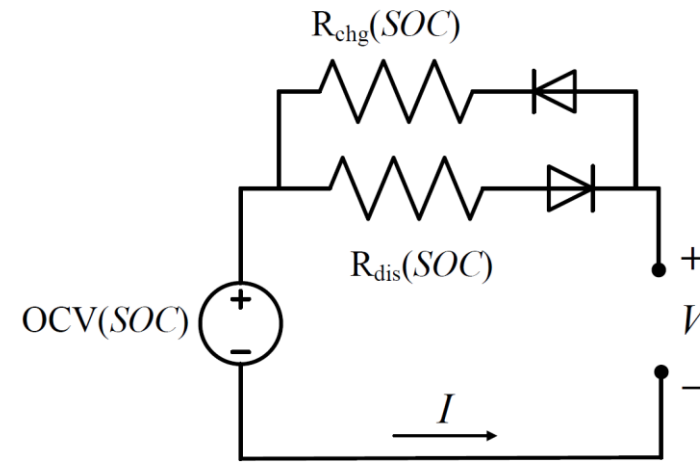
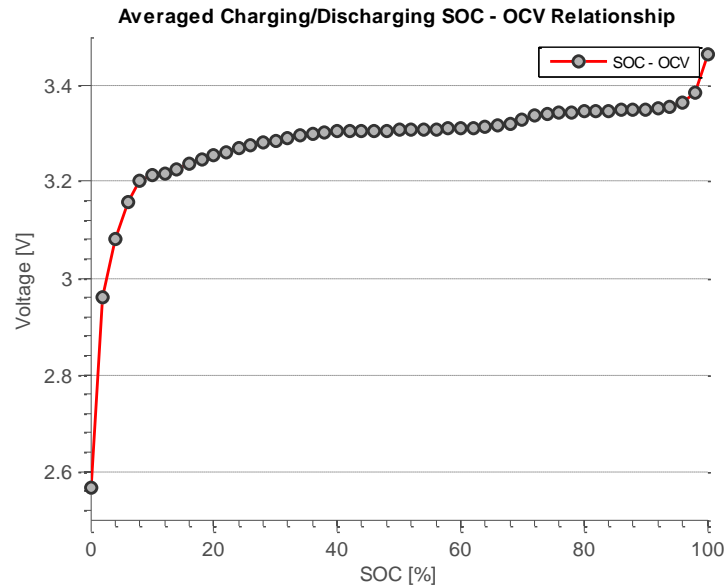


SIMPLE MODEL (OCV-R)

- OCV-R Battery Model



$$V_T = OCV(SOC) - I * R(T, SOC)$$

$$SOC = SOC \Big|_o - \frac{1}{C_n} \int_0^t I(t) dt$$

$$V_k = OCV(SOC_k) - i_k * R$$

$$SOC_{k+1} = SOC_k - \left(\frac{\Delta t}{C_n} \right) i_k$$