

Bq40z50, bq40z60

Internal Cell Balancing

$$\text{Balance Time per mah cell 1} = \frac{3600\text{mAs} * (RVCx + Rcb)}{V_{cell} * \text{Duty} * 1000}$$

$$\text{Balance Time per mah cell 2 - 4} = \frac{3600\text{mAs} * (2 * RVCx + Rcb)}{V_{cell} * \text{Duty} * 1000}$$

External Cell Balancing

$$\text{Balance Time per mah cell 1} = \frac{3600\text{mAs} * (RVCx + Rcb) || R_{ext}}{V_{cell} * \text{Duty} * 1000}$$

$$\text{Balance Time per mah cell 2 - 4} = \frac{3600\text{mAs} * (2 * RVCx + Rcb) || R_{ext}}{V_{cell} * \text{Duty} * 1000}$$

