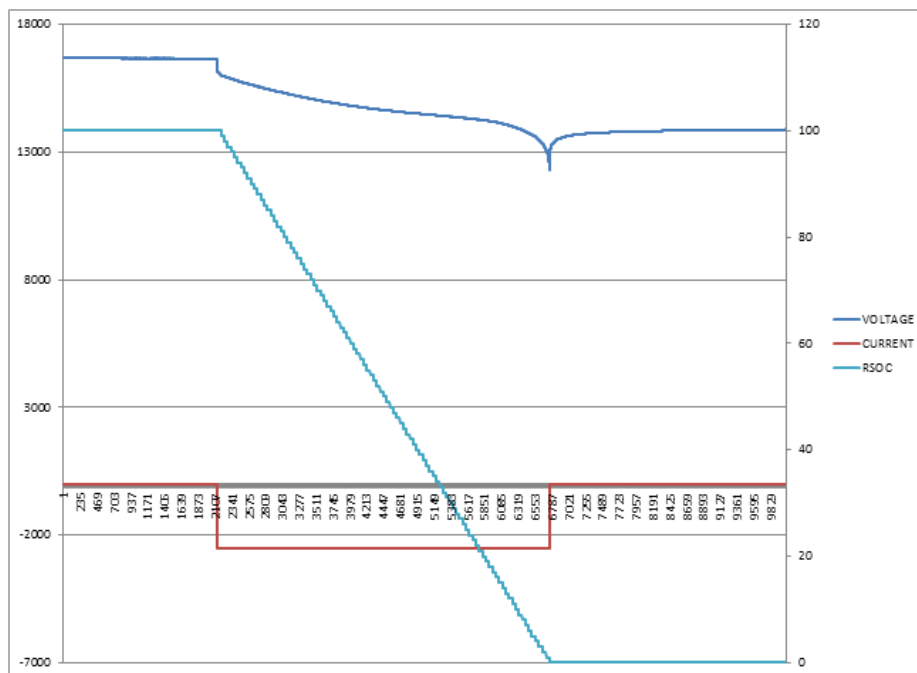


### TIDA-00883 Test Setup

- Hardware
  - bq40z50EVM
  - Hewlett Packard E3631A power supply
  - Precision 8500 Electronic Load
  - A 4S1P Li-Ion battery pack
- Software
  - bqStudio for logging
- Test
  - Complete the optimization cycle to update the Ra table and Qmax.
  - Charge the pack to full.
  - Discharge the pack to empty at a 2500mA rate, while logging data.

### bq40z50-R1 Gauging Accuracy

The bq40z50-R1 provides very good gauging accuracy after the optimization cycle has been completed.



- Cell configuration: 4S1P
- Discharge current: 2500mA

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