

## *TIDA-00884, 1 to 2s HDQ Li-ion Battery Pack Manager Reference Design Test Report*

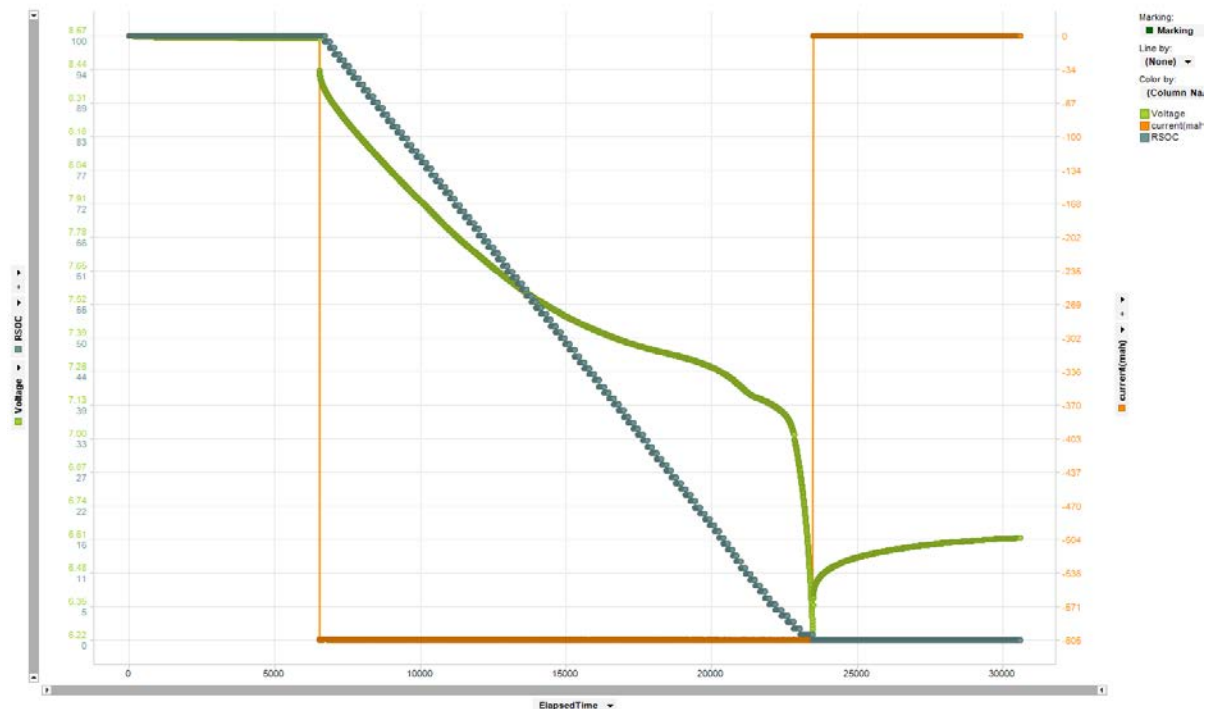
### TIDA-00884 Test Setup

- Hardware
  - Bq78z100 EVM
  - Hewlett Packard E3631A power supply
  - Precision 8500 Electronic Load
  - A 2S1P 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 605mA rate, while logging data.

### Bq78z100 Gauging Accuracy

The bq78z100 provides very good gauging accuracy after the optimization cycle has been completed.

Line Chart



Cell configuration: 2S1P  
 Discharge current: 605mA  
 Charge current: 605mA

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