

TIDA-00895, 1 to 2s I2C Li-ion Battery Pack Manager Reference Design Test Report

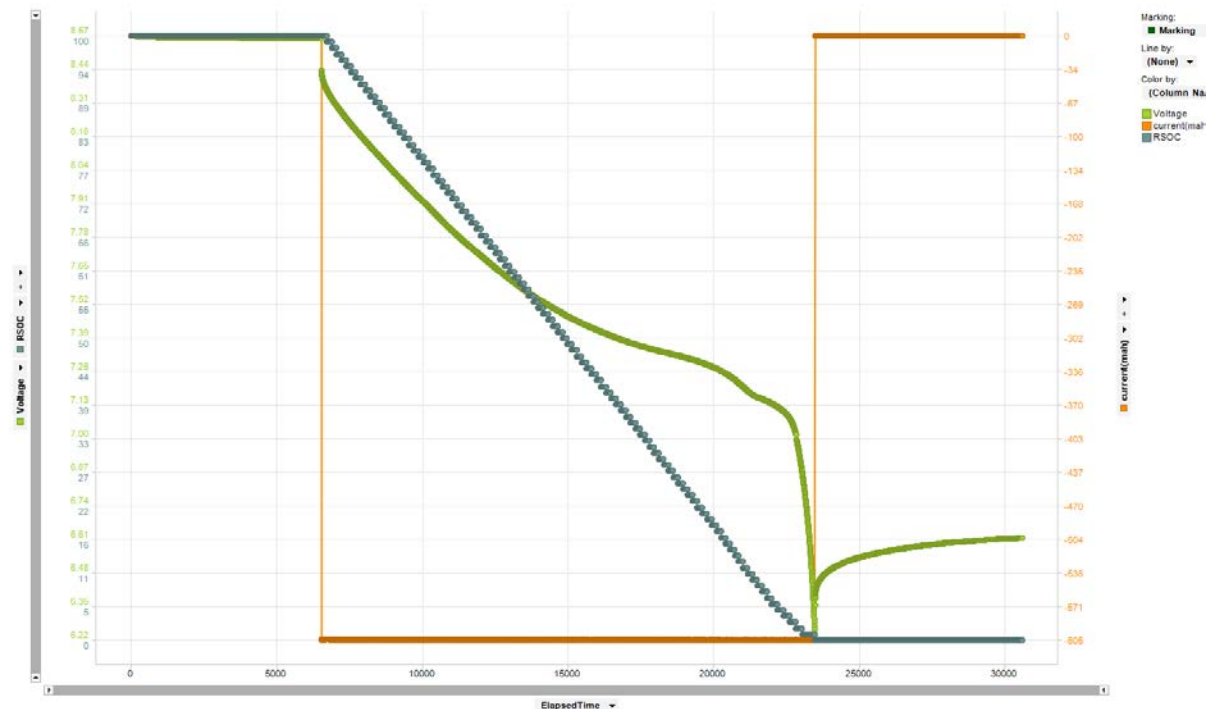
TIDA-00895 Test Setup

- Hardware
 - Bq28z610 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.

Bq28z610 Gauging Accuracy

The bq28z610 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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