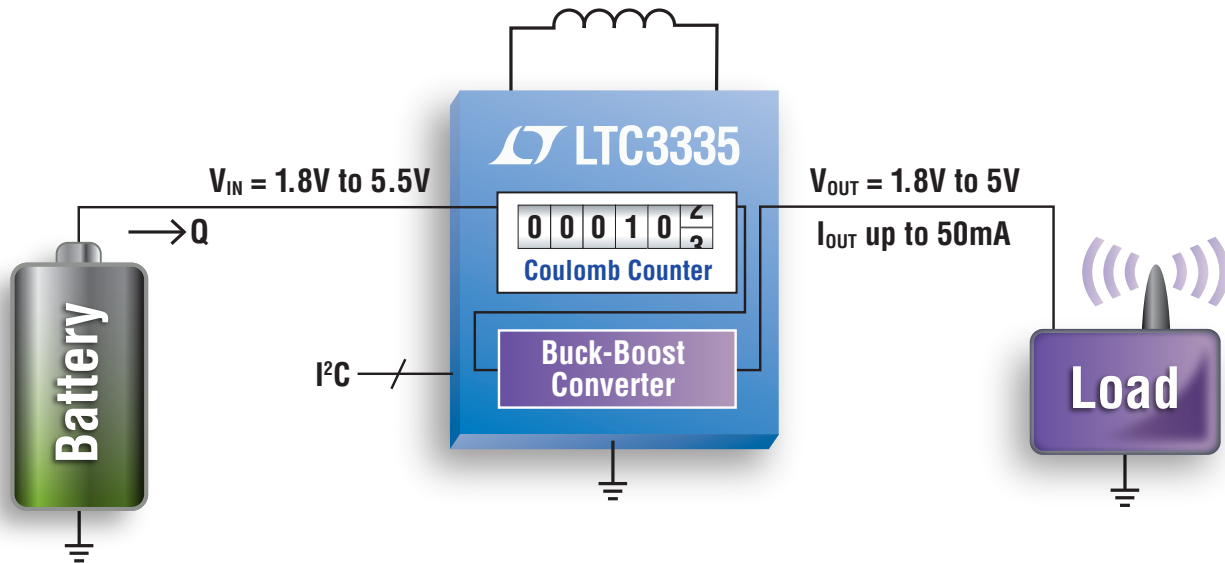


680nA I_Q Buck-Boost Converter Counts Coulombs



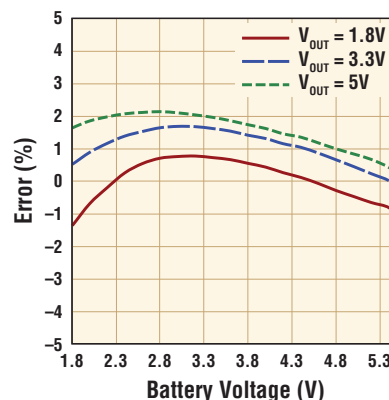
Accurate Coulomb Measurement of Battery Usage

The LTC[®]3335 provides a simple and accurate means to monitor battery state of charge while producing a regulated output. This buck-boost converter contains an integrated precision coulomb counter which is easily accessible via an I²C interface. The converter draws only 680nA quiescent current from the battery and offers a number of common fixed output voltage settings to eliminate the need for external resistors. It also features a programmable input current limit and delivers output currents up to 50mA at up to 90% efficiency.

Features

- 680nA Input Quiescent Current
- Input Voltage Range: 1.8V to 5.5V
- ±5% Accurate Coulomb Counter Measures Accumulated Battery Discharge
- Selectable Outputs: 1.8V, 2.5V, 2.8V, 3V, 3.3V, 3.6V, 4.5V & 5V
- Programmable Peak Input Current
- Up to 50mA of Output Current at 90% Efficiency

Total Unadjusted Coulomb Counter Error



Info & Free Samples

www.linear.com/product/LTC3335

1-800-4-LINEAR

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