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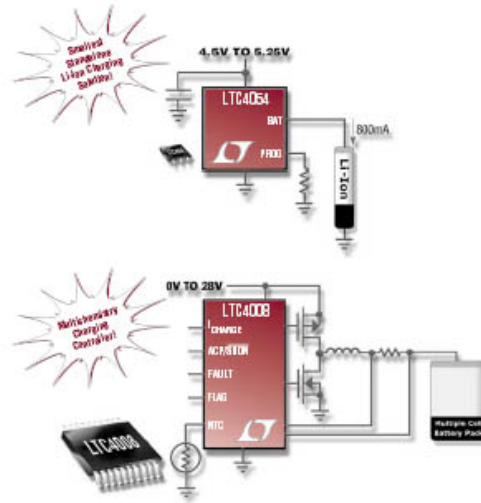
March 2003

High Performance Analog Solutions from Linear Technology

Vol.12 No. 2

Focus...

Battery Chargers



Single Cell, Multicell & Multichemistry Solutions for...

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Battery charging applications present many challenges, particularly selecting the right charge current given the maze of batteries, battery capacities and battery chemistries. Heat dissipation must be considered as size and weight requirements of portable devices continue to shrink. Designing for adequate thermal management while still providing an acceptable charge rate is not a trivial task. Too much current presents thermal dissipation issues, which if not properly addressed, can damage not only the battery charger but also the portable device being charged. Too little current translates into excessively long charge times.

Linear Technology has a wide range of products to meet your charge current, input voltage, battery chemistry and heat dissipation requirements. From linear chargers at lower currents to pulse chargers and switching regulators at higher current levels, there is most likely a charger that is right for your application.