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We know batteries. All major battery technologies, from Lithium Ion to Sealed Lead, in packs or as single cells, Rose Electronics ensures the best solution for your product. Expect straight answers from the experts at Rose Electronics. [Contact us](#) today for a free consultation.

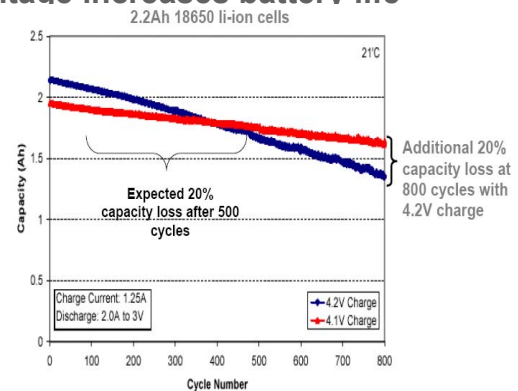
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[Click here](#) to receive a free copy of "Understanding Battery Regulations and Safety Issues" presented by Rose Electronics at the MD&M West 2011 show in Anaheim

Technology Update: Lower charge voltage increases battery life

When using li-ion cell chemistry, the decision can be made whether obtain better cycle life (more charge/discharge cycles) or higher capacity (more run time) per cycle. The graph here illustrates the positive impact on cycle life if batteries are charged to 4.1V per cell rather than to 4.2V per cell; at 800 cycles and charging to 4.1V per cell, a gain of 20% capacity is realized. This is a typical tradeoff. If you decide to go with lower charge voltage, make certain that your application can withstand the lower voltage performance.



About Rose Electronics

Rose is a leading supplier of batteries & power solutions for the GPS, mobile systems, medical, industrial, field service and enterprise storage marketplaces. Rose has earned the trust, respect and loyalty of some of the most demanding OEMs. ISO 9001:2008 certified, we have been solving customer needs since 1963. Call 1-800-632-4789 or visit www.rosebatteries.com.

[Contact Rose](#) for the latest transportation regulations for shipping lithium batteries.

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