Rechargeable Li-ion cells target remote wireless applications

Tadiran Batteries has introduced the TLI Series of batteries, a new family of long-life rechargeable lithium-ion cells designed specifically for use in harsh environments. These batteries use technology found in Tadiran's hybrid layer capacitor (HLC), which stores the high current pulses required for two-way wireless communications, and according to the company, has been field-proven in millions of cells to deliver 25+ year service life. These batteries modify this technology and are positioned as reliable, long-term performance under extreme environmental conditions. TLI Series batteries feature a wide operating temperature (-40°C to 85°C, with storage up to 90°C, the ability to deliver high current pulses (up to 5 A), low annual self-discharge rate (less than 5 percent) , up to 5,000 full cycles, long operating life (10 years), charging possible at extreme temperatures (10-hour rate), and a glass-to-metal seal (others use crimped seals that are prone to leakage). TLI Series cells can be recharged using DC power or can be used in conjunction with photovoltaic solar systems or other energy harvesting devices to deliver reliable long-term power. These batteries are available in several standard configurations: AA-size (1550), 1530, and 1520, as well as custom battery packs.

Tadiran Batteries
800-537-1368, www.tadiranbat.com [1]

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