

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 8-K

Current Report
PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

Date of Report (Date of earliest event reported):

August 17, 2005

ULTRALIFE BATTERIES, INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

0-20852

(Commission File Number)

16-1387013

(I.R.S. Employer Identification No.)

2000 Technology Parkway, Newark, New York 14513

(Address of principal executive offices) (Zip Code)

(315) 332-7100

(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

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Item 7.01. Regulation FD Disclosure.

Ultralife Batteries, Inc. (the "Company") announced that it has received a \$3.5 million order for its HiRate(R) D-size lithium cells from a U.S. battery assembler for thermal sight batteries to be supplied to the U.S. Defense Department. Cell deliveries are expected to begin in the third quarter and be completed in the first quarter of 2006. The Company's press release is attached as Exhibit 99.1 to this Form 8-K, and the information set forth therein is furnished under Item 7.01.

Item 9.01. Financial Statements, Pro Forma Financials and Exhibits.

(a) Financial Statements of Business Acquired.

Not applicable.

(b) Pro Forma Financial Information.

Not applicable.

(c) Exhibits.

99.1 Press Release dated August 17, 2005.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

ULTRALIFE BATTERIES, INC.

Dated: August 17, 2005

By: /s/Peter F. Comerford

Vice President of Administration &
General Counsel

INDEX TO EXHIBITS

(99) Additional Exhibits

99.1 Press Release dated August 17, 2005.

Ultralife Batteries Receives \$3.5 Million Order for HiRate Military Cells

NEWARK, N.Y.--(BUSINESS WIRE)--Aug. 17, 2005--Ultralife Batteries, Inc. (NASDAQ:ULBI) has received a \$3.5 million order for its HiRate(R) D-size lithium cells from a U.S. battery assembler for thermal sight batteries to be supplied to the U.S. Defense Department. Cell deliveries are expected to begin in the third quarter and be completed in the first quarter of 2006.

John D. Kavazanjian, Ultralife's president and chief executive officer, said, "Ultralife is well positioned to satisfy the growing demand for thermal weapon sight batteries. The U.S. Defense Department has fielded 25,000 thermal weapon sights to the U.S. Army, Marine Corps and Special Operations Forces to date and plans to field thousands more. Once we complete qualification under our contract with the Defense Department, we will begin supplying BA-5347 batteries directly to the military."

Ultralife's D-size, non-rechargeable lithium-manganese dioxide cells, which provide more energy than competitors' cells, are used in a wide range of military and industrial applications where high energy, long shelf life, safety and high reliability are required.

About Ultralife Batteries, Inc.

Ultralife is a global provider of power solutions for diverse applications. The company develops, manufactures and markets a wide range of non-rechargeable and rechargeable batteries, charging systems and accessories for use in military, industrial and consumer portable electronic products. Through its range of standard products and engineered solutions, Ultralife is able to provide the next generation of power systems. Industrial, retail and government customers include General Dynamics, Philips Medical Systems, General Motors, Energizer, Kidde Safety, Lowe's, Radio Shack and the national defense agencies of the United States, United Kingdom and Germany, among others.

Ultralife's headquarters, principal manufacturing and research facilities are in Newark, New York, near Rochester. Ultralife (UK) Ltd., a second manufacturing facility, is located in Abingdon, England. Both facilities are ISO-9001 certified. Detailed information about Ultralife is available at www.ultralifebatteries.com.

This press release may contain forward-looking statements based on current expectations that involve a number of risks and uncertainties. The potential risks and uncertainties that could cause actual results to differ materially include: worsening global economic conditions, increased competitive environment and pricing pressures, disruptions related to restructuring actions and delays. Further information on these factors and other factors that could affect Ultralife's financial results is included in Ultralife's Securities and Exchange Commission (SEC) filings, including the latest Annual Report on Form 10-K.

Detailed information on Ultralife is available at the Company's web site, www.ultralifebatteries.com.

Ultralife(R) and HiRate(R) are registered trademarks of Ultralife Batteries, Inc.

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