



UBI-2590

Technical Datasheet

The Ultralife Batteries Advantage

Through our engineering and collaborative approach to problem solving, we serve government, defense and commercial customers across the globe.



SPECIFICATIONS

Part No	UBBL02
NSN	6140-01-553-3527
Voltage Range	Two Sections: 14.4 VDC Nominal Series Mode: 33.0 VDC max. (20 – 33.0 V range) Parallel Mode: 16.5 VDC max. (10 – 16.5 V range)
Nominal Capacity	Series Mode: 6.8 Ah Parallel Mode: 13.6 Ah
Max. Discharge	Series Mode: 6 A Parallel Mode: 12 A
Max. Pulse Discharge	Series Mode: 18 A for 5 seconds Parallel Mode: 36 A for 5 seconds
Energy	206 Wh
Energy Density	143 Wh/kg, 237 Wh/l
Weight	1440 grams maximum
Cycle Life	> 300 cycles @ C/5 to 80% of initial capacity @ 100% depth of discharge
Memory	No Memory Effect
Operating Temp	-32°C to 60°C
Storage Temp	-32°C to 60°C
Self-Discharge	< 5% per month
Exterior/Housing	Hard plastic, black (Noryl N190X-701)
Terminals/Connector	Connector SC-C-179495 (see note 2)
State of Charge Indicator	LCD Displays, one for each section – absolute capacity based on design capacity
Safety	Material Safety Datasheet – MSDS041.
Transportation	Excepted – U.S.; Class 9 – Int'l. See note 1.
Harmonized Tariff Code	8507.80.0000
Charging	Charge each section at 16.60V with a maximum current of 3A for a maximum of 3 hours or until current tapers to 300 mA. Refer also to Safety Guide UBI-5112.

FEATURES

- Rugged case construction
- High energy density
- Wide operating temperature range
- Lightweight
- No memory effect

APPLICATIONS

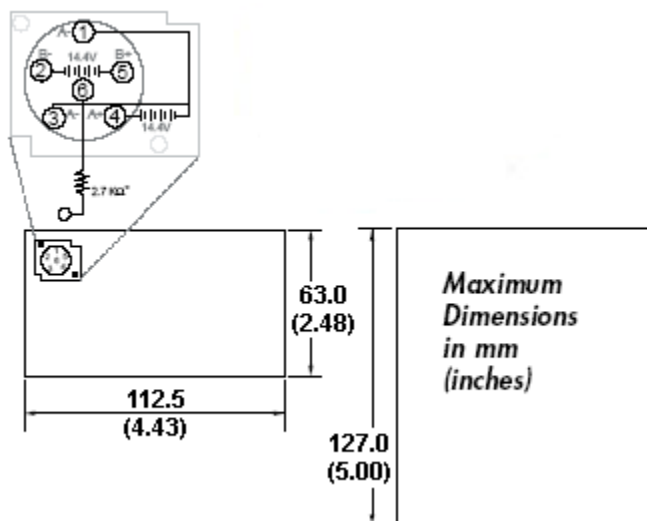
- Rugged, Portable Electronics
- Robotics
- Military Communication Devices
- AUVs and UUVs

COMPATIBLE CHARGERS

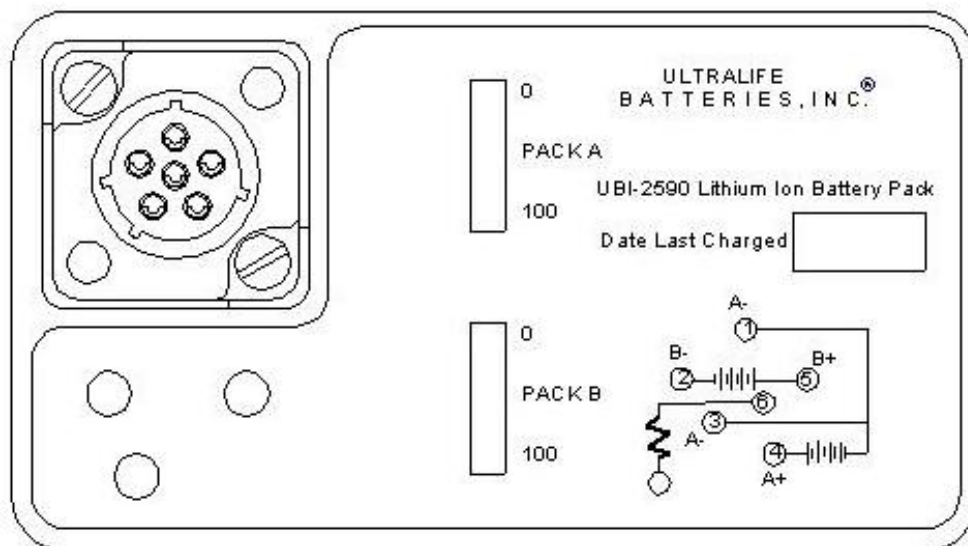
- Ultralife CH0002, single battery, commercial
- Ultralife CH0003, 6-bay ruggedized
- Ultralife CH0004, 2-bay ruggedized
- McDowell Research MRC-85; MRC-86

Note 1	For a complete description of transportation regulations and definitions of the transportation classifications "Excepted" and "Class 9," refer to the Ultralife web site at www.ultralifebatteries.com .
Note 2	Available cable is CA0002

DIMENSIONS



Top View



PERFORMANCE GRAPHS

