

UBI-2590 Technical Datasheet

The Ultralife Advantage

Better technology. Our lithium-based (lithium-manganese dioxide, lithium ion and lithium polymer) technologies enable us to design leading-edge power solutions for the world's most demanding applications.



SPECIFICATIONS

Part No	UBBL02
NSN	6140-01-553-3527
Average Voltage	Maximum: 16.4 or 32.8 Volts Typical: 14.4 or 28.8 Volts Minimum: 12.0 or 24.0 Volts
Nominal Capacity	15 V Mode: 12.0 Ah @ 1.0 A @ 23°C 30 V Mode: 6.0 Ah @ 500 mA @ 23°C
Max. Discharge	6.0 A continuous in 28.8 Volt mode 12.0 A continuous in 14.4 Volt mode
Max. Pulse Discharge	18.0 A / 5 seconds in 28.8 Volt mode 36.0 A / 5 seconds in 14.4 Volt mode
Energy	173 Wh
Energy Density	120 Wh/kg, 200 Wh/l
Weight	1440 grams
Cycle Life	> 300 cycles @ C/5 to 80% of initial capacity
Memory	No Memory Effect
Operating Temp	-20°C to 60°C
Storage Temp	-20°C to 60°C
Self-Discharge	< 5% per month
Exterior/Housing	Hard plastic, black (Noryl N190X-701)
Terminals/Connector	SC-C-179495 (see note 2)
State of Charge Indicator	LCD Display
Safety	To prevent injury or burns do not disassemble, short circuit or dispose of in fire. 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 constant voltage of 16.4 (16.8 max) Volts in a temperature range of 5° to 38°C, limiting current to 3.0 A max, for 3 hours. Both sections can be charged in parallel, however, charge time will increase to 6 hours. Refer also to Safety Guide UBI-5112.

FEATURES

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

APPLICATIONS

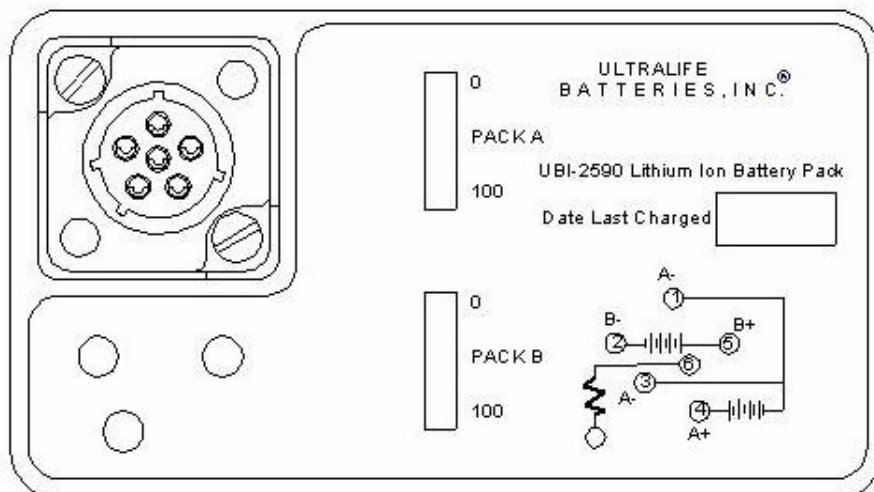
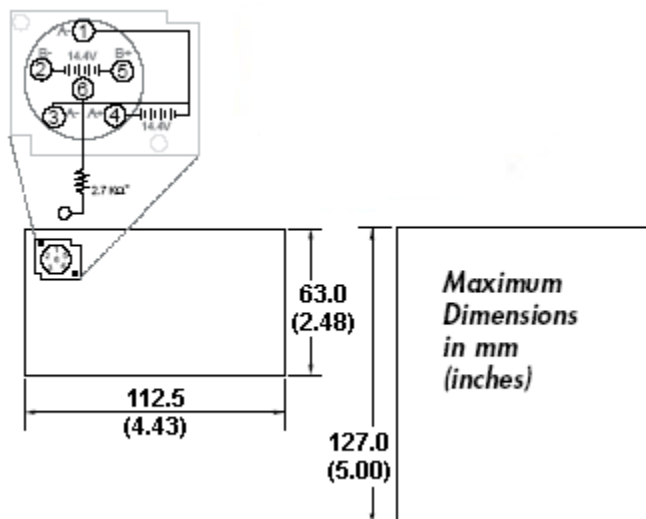
- Rugged, Portable Electronics
- Robotics
- Military Communication Devices
- AUVs and UUVs

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

