

# ULTRALIFE<sup>®</sup>Batteries

We. Are. Power.<sup>™</sup>

## UBBL09 Technical Datasheet

### The Ultralife Advantage

Better technology. Our battery & charging technologies and power systems enable us to design leading-edge solutions for the world's most demanding applications.



### SPECIFICATIONS

<b>Part No</b>	UBBL09
<b>Average Voltage</b>	Maximum: 12.6 or 25.2 Volts Typical: 11.1 or 22.8 Volts Minimum: 9.0 or 18.0 Volts
<b>Nominal Capacity</b>	12 V Mode: 18.4 Ah @ 1.0 A @ 23°C 24 V Mode: 9.2 Ah @ 500 mA @ 23°C
<b>Max. Discharge</b>	6.0 A continuous in 24 Volt mode 12.0 A continuous in 12 Volt mode
<b>Max. Pulse Discharge</b>	18.0 A / 5 seconds in 24 Volt mode 36.0 A / 5 seconds in 12 Volt mode
<b>Energy</b>	204 Wh
<b>Energy Density</b>	142 Wh/kg, 227 Wh/l
<b>Weight</b>	1440 grams
<b>Cycle Life</b>	> 300 cycles @ C/5 to 80% of initial capacity
<b>Memory</b>	No Memory Effect
<b>Operating Temp</b>	-20°C to 60°C
<b>Storage Temp</b>	-20°C to 60°C
<b>Self-Discharge</b>	< 5% per month
<b>Exterior/Housing</b>	Hard plastic
<b>Terminals/Connector</b>	SC-C-179495 (see note 2)
<b>State of Charge Indicator</b>	LCD Display
<b>Safety</b>	To prevent injury or burns do not disassemble, short circuit or dispose of in fire. Material Safety Datasheet – MSDS099.
<b>Transportation</b>	Excepted – U.S.; Class 9 – Int'l. See note 1.
<b>Charging</b>	Charge each section at constant voltage of 12.6 Volts in a temperature range of 5° to 38°C, limiting current to 3.0 A. Both sections can be charged in parallel, however, charge time will increase to 6 hours. Refer also to Safety Guide UBI-5112.

### FEATURES

- SMBus v1.1 compliant
- Smart Circuit™ technology providing advanced solutions not available from traditional batteries and chargers
- Rugged case construction
- High energy density
- Wide operating temperature range
- Lightweight
- No memory effect

### APPLICATIONS

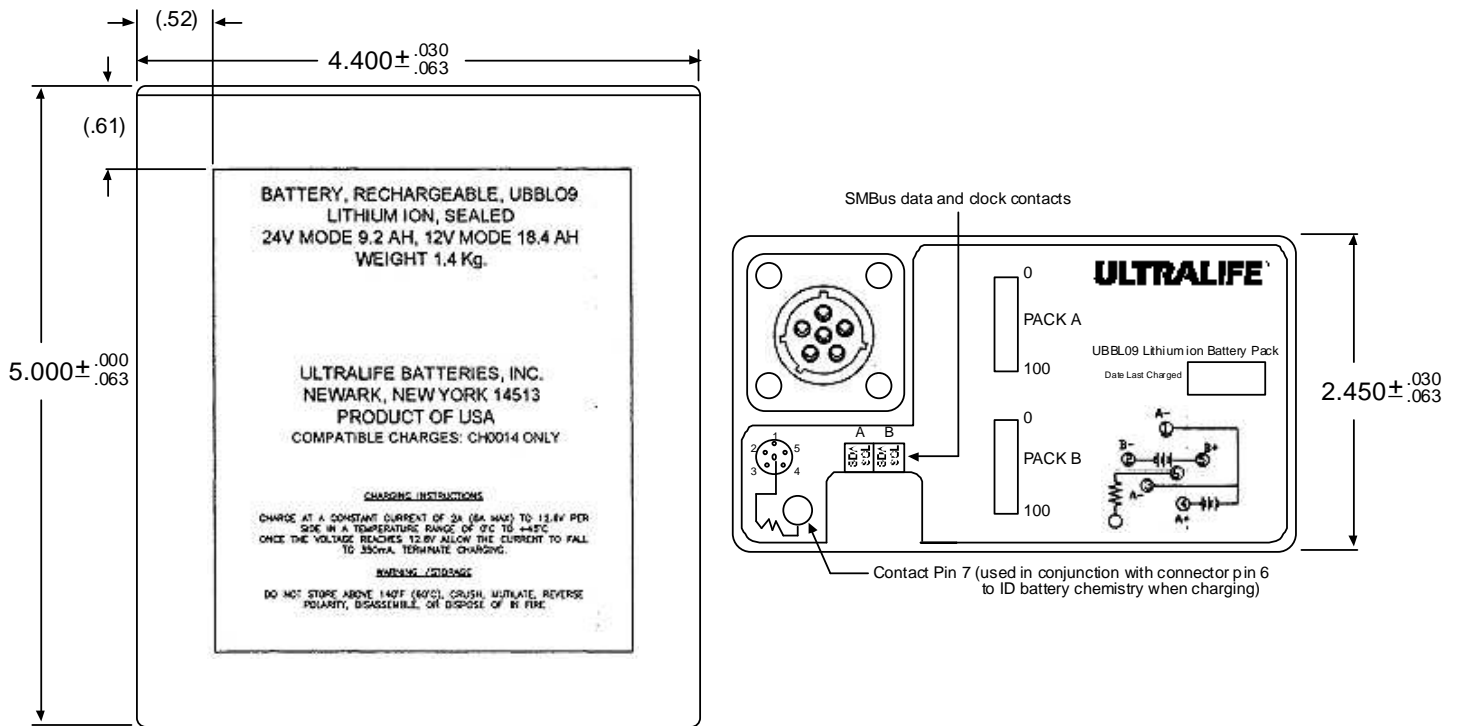
- Rugged, Portable Electronics
- Robotics
- Communication Devices
- AUVs and UUVs

### COMPATIBLE CHARGERS

- Ultralife CH0014, single battery, commercial

<b>Note 1</b>	For a complete description of transportation regulations and definitions of the transportation classifications "Excepted" and "Class 9," refer to the Ultralife web site at <a href="http://www.ultralifebatteries.com">www.ultralifebatteries.com</a> .
<b>Note 2</b>	Available cables: CA0002, CA0006, CA0007, CA0008

**DIMENSIONS**



**PERFORMANCE GRAPHS**

