ULTRALIFE® Batteries

We. Are. Power.™

UBBL03 (Type LI-7)

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.

SMART ! CIRCUIT™

FEATURES

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

APPLICATIONS

- Rugged, Portable Electronics
- Military Training Systems
- Back-up Server Power

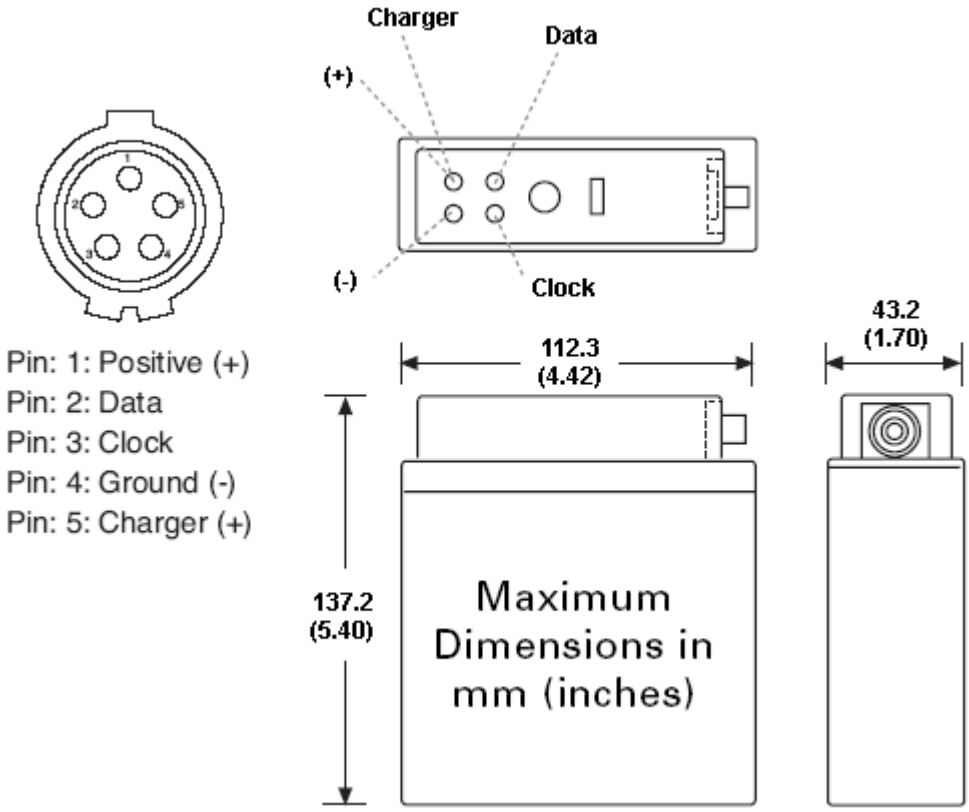
SPECIFICATIONS

Part No	UBBL03
Voltage Range	12.0 to 16.8 V
Average Voltage	15.2 V
Nominal Capacity	7.5 Ah @ C/5 Rate @ 23°C
Max. Discharge	3.0 A continuous*
Energy	114 Wh
Energy Density	120 Wh/kg, 175 Wh/l
Weight	944 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, lusterless black (Noryl N190X-701)
Terminals/Connector	Flat contacts (302 stainless plated with Sulfomate nickel per ASTM B689, type 1). Cable (connector: Lemo HEN.1F.305.XLNP). See note 2.
State of Charge Indicator	LED Display
Safety	Protection PCB, 70°C +_5°C resettable fuses, 91°C +_4°C one-shot fuse. See note 3. Material Safety Datasheet – MSDS046.
Transportation	Excepted – U.S.; Class 9 – Int'l. See note 1.
Protection Circuit Module	Over Voltage Limit: 4.35 +/- 0.25 V (per cell) Under Voltage Limit: 2.5 +/- 0.1 V (per cell) Over Current Protection: 6.0 A +/- 0.1 A Max. Quiescent Drain: < 200 µA
Charging	Charge at a maximum charge rate of C/2 to 16.8V in a temperature range of 0ºC to 45ºC. Hold voltage at 16.8V unit current declines to C/10. Refer also to Safety Guide UBI-5112.

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 CA0005.
Note 3	To prevent injury or burns, do not disassemble, short circuit or dispose of in fire.
*	Recommended discharge is 2.0 A or less, continuous.

Newark, NY • 315-332-7100 • Fax 315-331-7800 / Abingdon, England • +44 (0) 1235 542600 • +44 (0) 1235 535766

DIMENSIONS



PERFORMANCE GRAPHS