

UBBL12

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

Part No	UBBL12
Voltage Range	11.0 to 16.8 V
Average Voltage	15.2 V
Nominal Capacity	7.0 Ah @ C/5 Rate @ 23°C
Max. Discharge	5.0 A continuous
Energy	109 Wh
Energy Density	128 Wh/kg, 179Wh/l
Weight	850 grams
Cycle Life	> 300 cycles @ C/5 to 80% of initial capacity
Memory	No Memory Effect
Operating Temp	-33°C to 55°C
Storage Temp	-33°C to 55°C. See note 4.
Self-Discharge	< 4% per month
Exterior/Housing	Hard plastic, lusterless black (Noryl N190X-701)
Terminals/Connector	Flat contacts (302 stainless plated with Sulfamate nickel per ASTM B689, type 1) – for charging only. Connector: Glenair 800-012-07Z16-7SN-491. 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. Material Safety Datasheet – MSDS076.
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
Charging	Charge at a constant current to 16.8V in a temperature range of 0°C to 45°C. Hold voltage at 16.8V unit current declines to C/10. Refer also to Safety Guide UBM-5112. Compatible with the CH0007 nine position smart charger.
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 cables: CA0030-01 (2 ft.) and CA0030-02 (4 ft.). Contact Ultralife for details.
Note 3	To prevent injury or burns, do not disassemble, short circuit or dispose of in fire.
Note 4	Long- term storage should ideally be in climate controlled enclosures. Batteries should be charged to a minimum 25% prior to long-term storage.

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
- No calibration required during lifetime
- No open voltage on charge contacts
- Enhanced, tiered safety features
- Embedded pressure balancing vent to balance external/internal pressure differentials

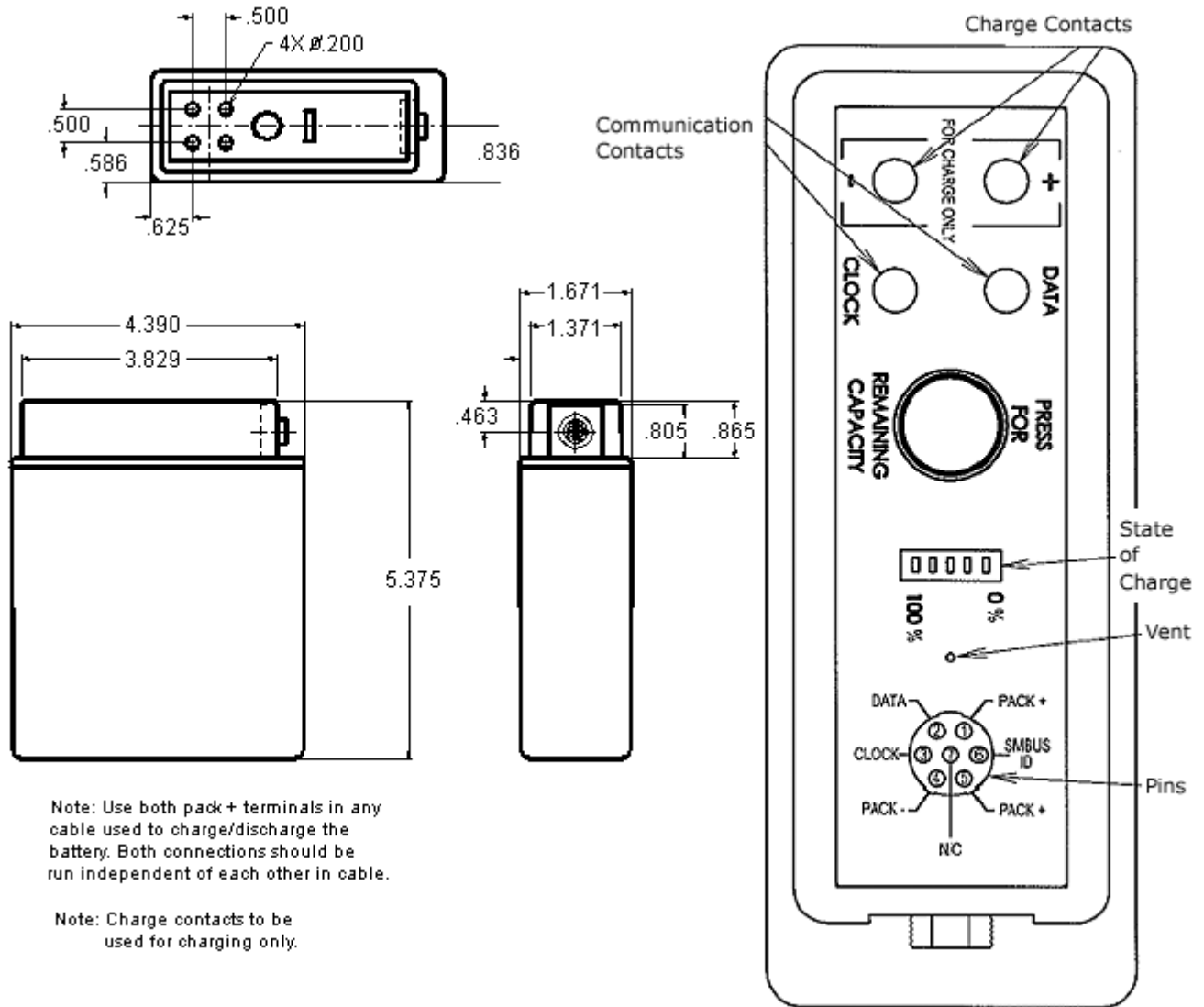
ENVIRONMENTALS

- IP67 rated
- 1m fresh/seawater immersion resistant

APPLICATIONS

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

DIMENSIONS



PERFORMANCE GRAPHS

UBBL12 discharged at C/5 at various temperatures

