

# UBBL06 (LI-145)

## Technical Datasheet



### Features

- Smart Circuit® Technology - Implements SMBus v1.1 smart battery technology
- Rugged case construction
- Ergonomic form factor
- High energy density
- Wide operating temperature range
- State of charge indicator: 5 segment LED, push button activated
- Lightweight

### Applications

- Soldier-based applications
- Rugged, portable electronic field equipment
- Adaptable to hand-held military radios and other communications equipment
- Other military or forward-situation (e.g. emergency response) applications

### Optional Chargers

- CH0006: 3-Unit Smart Vehicle Charger
- CH0008: Soldier Charger
- CH0012: 12-bay Charger
- CH0015: Desktop Evaluation Charger

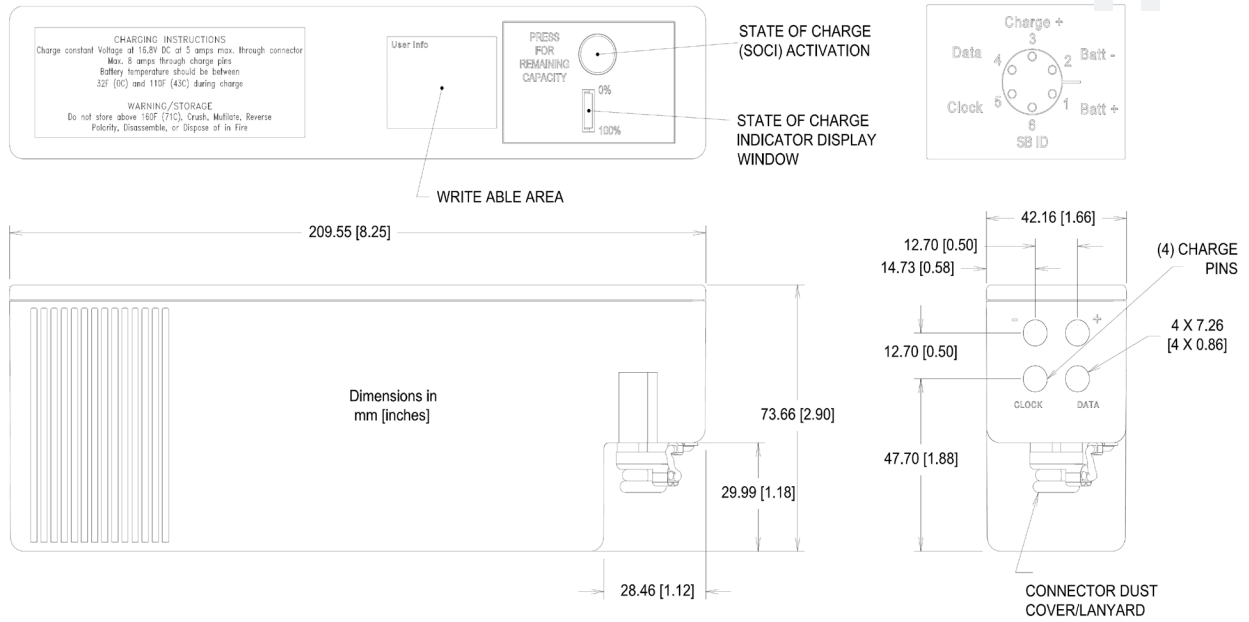
### Optional Cables

- CA0009: Non-shielded Cable
- CA0022: Shielded Cable

### Technical Specifications

|  |   |
|--|---|
| <b>Part No.</b>                            | UBBL06  |
| <b>NSN</b>                                 | 6140-01-542-4380  |
| <b>Voltage Range</b>                       | 10.0 to 16.8V   |
| <b>Average Voltage</b>                     | 15.2V   |
| <b>Nominal Capacity</b>                    | 9.4Ah @C/5 Rate @ 23°C  |
| <b>Max. Discharge</b>                      | 5.0A continuous   |
| <b>Max. Pulse Discharge</b>                | 15.0A for 915µs   |
| <b>Energy</b>                              | 143Wh   |
| <b>Energy Density</b>                      | 140Wh/kg, 351Wh/l   |
| <b>EMI</b>                                 | MIL-STD-461, CE101, CE102, CS101, CS114, CS115, CS116, RE102, RE101, RS103  |
| <b>Weight</b>                              | 1021g   |
| <b>Cycle Life</b>                          | > 300 cycles @ C/5 to 80% of initial capacity   |
| <b>Memory</b>                              | No Memory Effect  |
| <b>Operating Temperature</b>               | -32°C to 55°C   |
| <b>Storage Temperature</b>                 | -32°C to 60°C   |
| <b>Self-Discharge</b>                      | < 4% per month  |
| <b>Exterior/Housing</b>                    | GE Noryl. Color: Black, FED-STD-595   |
| <b>Terminals/Connector</b>                 | Glenair 807-216-07ZNU6-6DY  |
| <b>Communication</b>                       | SMBus v1.1  |
| <b>Safety</b>                              | Material Safety Datasheet - MSDS041<br>Safety Guide UBM-5112  |
| <b>Transportation</b>                      | Class 9 International and within U.S. unless shipped by motorcar or rail within U.S. (see note)   |
| <b>Export Classification</b>               | EAR99   |
| <b>Harmonized Tariff Schedule</b>          | 8507.60.0000  |
| <b>Protection Circuit Module and Fuses</b> | Over Voltage Limit: 4.35 ± 0.25V (per cell)<br>Under Voltage Limit: 2.5 ± 0.1V (per cell)<br>Over Current Protection: 5.0A<br>Re-settable Fuse: 70° ± 5°C<br>One-time Thermal Fuse: 91°C + 0° / -4°C                |
| <b>Charging</b>                            | Maximum charge rate is 5.0A to maximum voltage of 16.8V in a temperature range of 0° to 45°C. Hold at 16.8V until current declines to 350mA. Using charge pins, the current can be increased to 8.0A during charge. |
| <b>Note</b>                                | A complete description of transportation regulations, lithium weights and transportation classifications is available on the Ultralife website.   |

# Dimensions



# Performance Graphs

