

# UBBL08 (LI-80)

## Technical Datasheet



### Features

- SmartCircuit® 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
- Smaller alternative to UBBL06 (LI-145)

### 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. emergent response) applications

### Optional Chargers

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

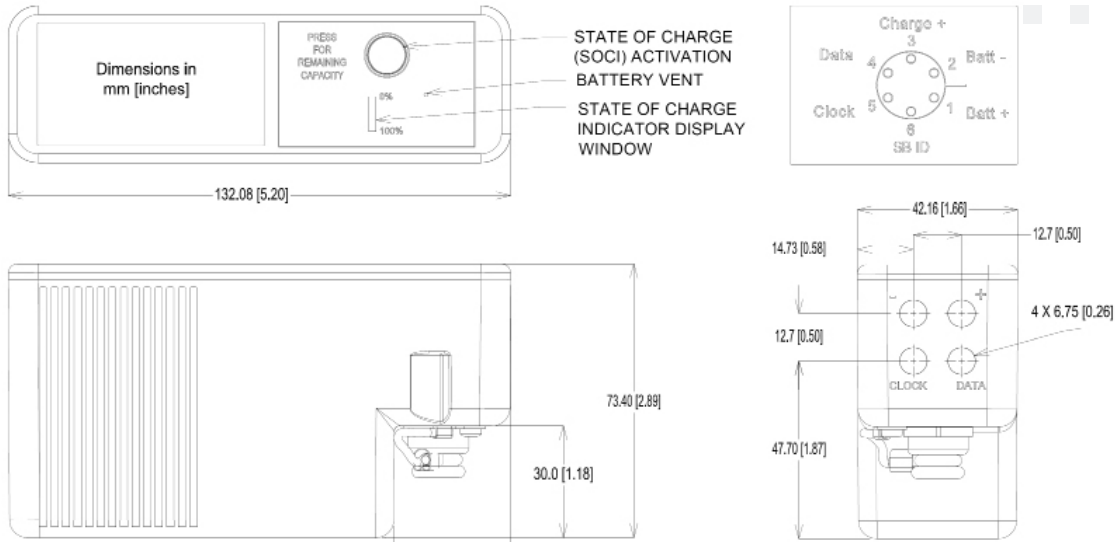
### Optional Cables

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

### Technical Specifications

<b>Part No.</b>	UBBL08
<b>NSN</b>	6140-01-580-6190
<b>Voltage Range</b>	10.0 to 16.8V
<b>Average Voltage</b>	15.2V
<b>Nominal Capacity</b>	5.5Ah @C/5 Rate @ 23°C
<b>Max. Discharge</b>	5.0A continuous @ 23°C (Connector Limited)
<b>Max. Pulse Discharge</b>	15.0A for 915µs
<b>Energy</b>	83Wh
<b>Energy Density</b>	158Wh/kg, 319Wh/l
<b>Communication</b>	SMBus v 1.1; SBD v 1.0 Dataset
<b>Weight</b>	525g
<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>	Hard plastic, black
<b>Terminals/Connector</b>	Glenair 807-216-07ZNU6-6DY, Charge Contacts
<b>Safety</b>	Material Safety Datasheet - MSDS041 Safety Guide UBI-5112
<b>Transportation</b>	Excepted from regulations for packages with gross mass of 10kg or less (see note)
<b>Harmonized Tariff Schedule</b>	8507.60.0000
<b>Protection Circuit Module and Fuses</b>	Over Voltage Limit: 4.35 ± 0.25V (per cell) Under Voltage Limit: 2.5 ± 0.1V (per cell) Over Current Protection: 8.2A Re-settable fuse 70°±5°C One-time thermal fuse 91°+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.
<b>Note</b>	A complete description of transportation regulations, lithium weights and transportation classifications is available on the Ultralife website.

# Dimensions



# Performance Graphs

