

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

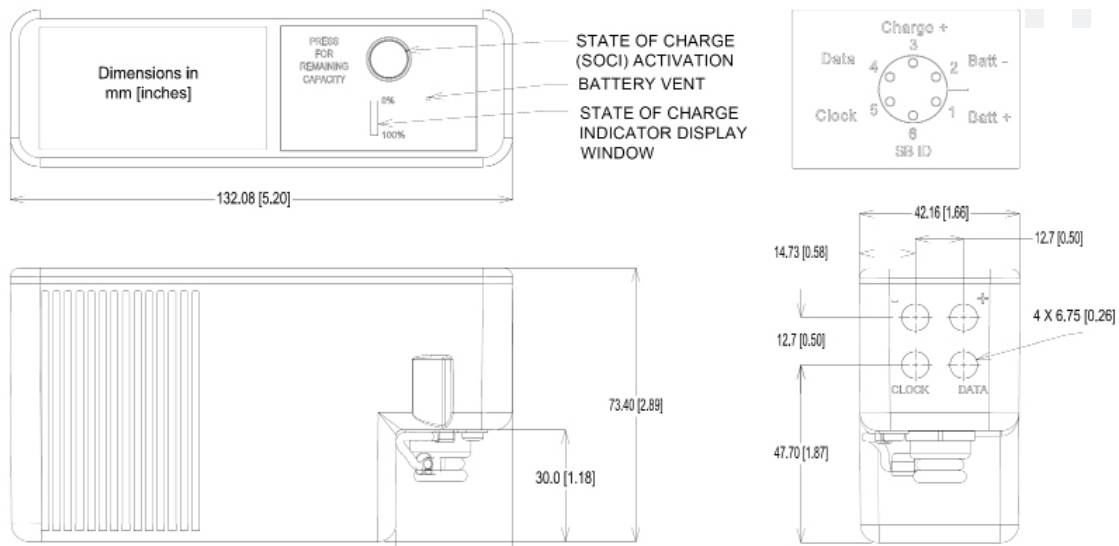
Optional Cables

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

Technical Specifications

Part No.	UBBL08
NSN	6140-01-580-6190
Voltage Range	10.0 to 16.8V
Average Voltage	15.2V
Nominal Capacity	5.5Ah @C/5 Rate @ 23°C
Max. Discharge	5.0A continuous @ 23°C (Connector Limited)
Max. Pulse Discharge	15.0A for 915µs
Energy	83Wh
Energy Density	158Wh/kg, 319Wh/l
Communication	SMBus v 1.1; SBD v 1.0 Dataset
Weight	525g
Cycle Life	> 300 cycles @ C/5 to 80% of initial capacity
Memory	No Memory Effect
Operating Temperature	-32°C to 55°C
Storage Temperature	-32°C to 60°C
Self-Discharge	< 4% per month
Exterior/Housing	Hard plastic, black
Terminals/Connector	Glenair 807-216-07ZNU6-6DY, Charge Contacts
Safety	Material Safety Datasheet - MSDS041 Safety Guide UBI-5112
Transportation	Excepted from regulations for packages with gross mass of 10kg or less (see note)
Harmonized Tariff Schedule	8507.60.0000
Protection Circuit Module and Fuses	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
Charging	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.
Note	A complete description of transportation regulations, lithium weights and transportation classifications is available on the Ultralife website.

Dimensions



Performance Graphs

