

UBBL08-01 (LI-100)

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

Applications

- Soldier modernization programs
- Fielded military and training 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

Part No.	UBBL08-01
NSN	6140-01-696-7346
Voltage Range	10.0 to 16.8V
Average Voltage	15.2V
Nominal Capacity	6.8Ah @ C/5 Rate @ 23°C
Max. Discharge	5.0A continuous @ 23°C (Connector Limited)
Max. Pulse Discharge	15.0A for 915µs
Energy	98Wh
Energy Density	190Wh/kg, 382Wh/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, tan
Terminals/Connector	Glenair 807-216-07ZNU6-6DY, Charge Contacts
Safety	Material Safety Datasheet - MSDS041 Safety Guide UBI-5112
Transportation	UN 3480 Dangerous Good Class 9, Total Energy <100Wh If packed in or with equipment (UN 3481) contact Ultralife for guidance or other questions
Harmonized Tariff Code	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.

Dimensions

