

UBBL03 (LI-7)

Technical Datasheet



Features

- Rugged case construction
- SmartCircuit® Technology - implements SMBus v1.1 smart battery technology
- High energy density
- Wide operating temperature range
- Lightweight
- No memory effect

Applications

- Rugged, portable electronics
- Military training systems
- Back-up server power

Optional Chargers

- CH0007: 9-bay Rugged Smart Charger
- CH0016: Desktop Charger

Optional Cables

- CA0005: 5 Conductor Cable
- CA0010: 2 Conductor Cable

Technical Specifications

Part No.	UBBL03
NSN	6140-01-620-0555
Voltage Range	12.0 to 16.8V
Average Voltage	14.4V
Capacity	9.6Ah @C/5 Rate @ 23°C
Max. Discharge	3.0A continuous
Energy	138Wh
Energy Density	149Wh/kg, 209Wh/l
Weight	944g
Cycle Life	> 300 cycles @ C/5 to 80% of initial capacity
Memory	No Memory Effect
Operating Temperature	-20°C to 60°C
Storage Temperature	-20°C to 60°C
Self-Discharge	< 5% per month
Exterior/Housing	Hard plastic, lusterlessblack (Noryl N190X-701)
Terminals/Connector	Flat contacts: 302 stainless plated with Sulfamate nickel per ASTM B689, type 1 Connector: Lemo HEN.1F.305.XLNP Mating connector: Lemo FGN.1F.305.YLC
State of Charge Indicator	LED Display
Safety	Material Safety Datasheet - MSDS041 Safety Guide UBI-5112
Transportation	Class 9 International and within U.S. unless shipped by motorcar or rail within U.S. (see note)
Export License	ECCN 3A611.x export license required to export from U.S.
Harmonized Tariff Schedule	8507.60.0000
Protection	Over Voltage Limit: 4.35V (per cell) Under Voltage Limit: 2.80V (per cell) Over Current Protection: 5.5A Re-settable Fuse: 70° ± 5°C One-time thermal fuse 91°+ 0° /-4°C
Charging	Recommended charge rate at 2.0A to 16.8V in a temperature range of 0°C to 45°C. Hold at 16.8V until current declines to 750mA. Maximum charge rate is 3.0A @ 23°C.
Note	A complete description of transportation regulations, lithium weights and transportation classifications is available on the Ultralife website.

