

UBBL06 (LI-145) Technical Datasheet

The Ultralife Advantage

Better technology. Our battery & charging technologies and power systems enable us to design leading-edge solutions for the world's most demanding applications.



SPECIFICATIONS

Part No	UBBL06
NSN	6140-01-542-4386
Voltage Range	10.0 to 16.8 V
Average Voltage	15.2 V
Nominal Capacity	9.4 Ah @ C/5 Rate @ 23° C
Max. Discharge	5.0 A
Energy	143 Wh
Energy Density	140 Wh/kg, 220 Wh/l
Communication	SMBus v1.1
EMI	MIL-STD-461, CE101, CE102, CS101, CS114, CS115, CS116, RE101, RE102, RE101, RS103
Weight	1021 grams
Cycle Life	> 300 cycles @ C/5 to 80% of initial capacity
Memory	No Memory Effect
Operating Temp	-32° C to 55° C
Storage Temp	-32° C to 60° C
Self-Discharge	< 4% per month
Exterior/Housing	GE Noryl. Color: Black, FED-STD-595
Terminals/Connector	Glenair 807-216-07ZNU6-6DY Bulk charging
Safety	Protection PCB. 70° C +/- 5° C re-settable fuse. 91° C +4° C/- 0° C one shot fuses. Material Safety Datasheet – MSDS060.
Transportation	Excepted – U.S.; Class 9 – Int'l. See note 1.
Export License	ITAR (International Traffic in Arms Regulations) export license required to export from U.S.
Harmonized Tariff Code	8507.80.0000
Protection Circuit Module	Over Voltage Limit: 4.35 V +/- 0.25 V per cell Under Voltage Limit: 2.5V +/- 0.1V per cell Over Current Protection: 5.0 A Pulse Current: 15.0 A for 915 uS
Charging	Maximum charge rate at 5.0 A @ 16.8 Volts in a temperature range of 4° to 43° C. Hold at 16.8 Volts until current declines to C/20. Using charge pins, the current can be increased to 8.0A during charge. Refer also to Safety Guide UBI-5112.

FEATURES

- Ergonomic form factor
- Rugged case construction
- High energy density
- Wide operating temperature range
- Lightweight
- No memory effect
- State of Charge Indicator:
 - 5 Segment LED, Push Button Activated
- SMBus v1.1 compliant
- SmartCircuit™ technology providing advanced solutions not available from traditional batteries and chargers
- Safety approved for soldier use

APPLICATIONS

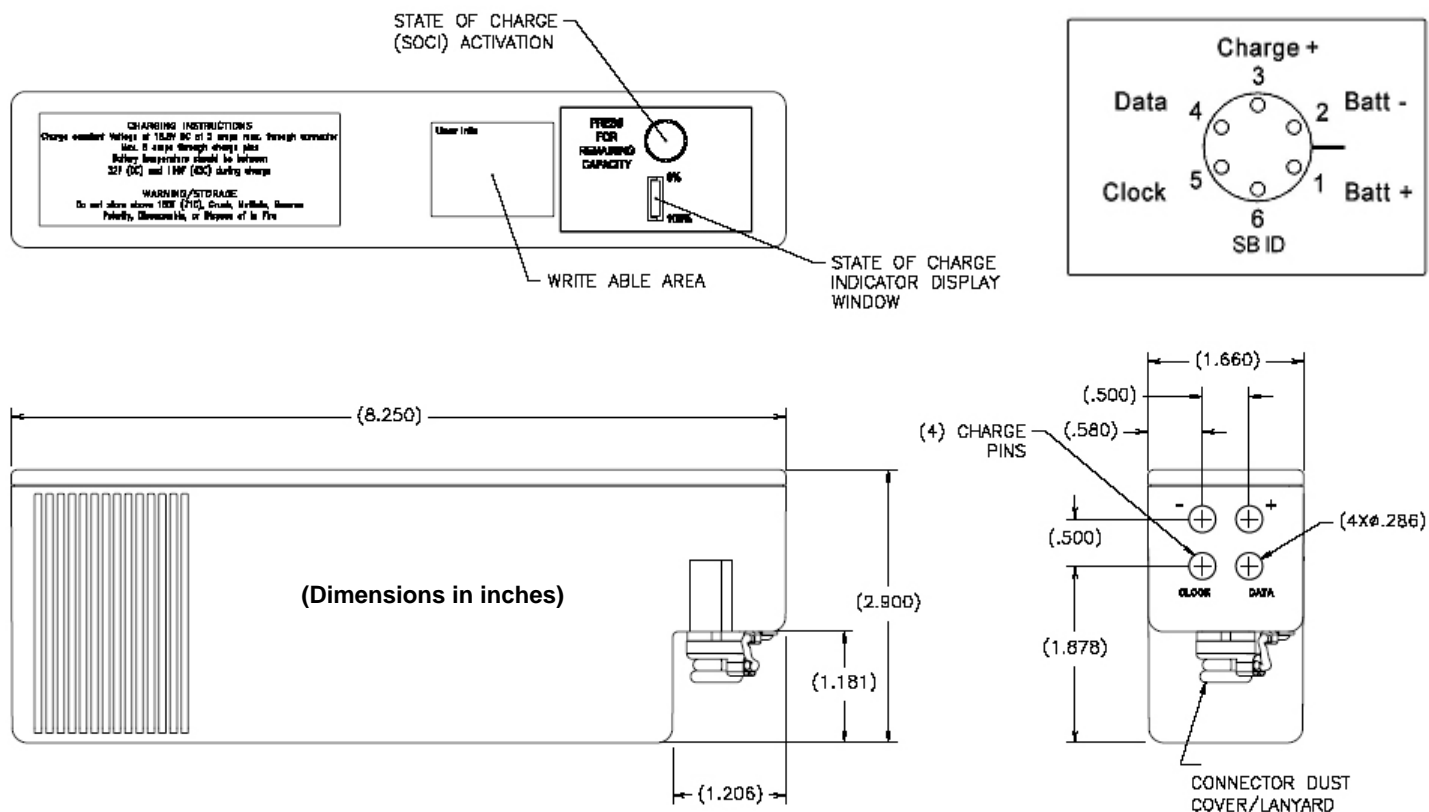
- Soldier-based applications
- Rugged, portable electronic field equipment
- Adaptable to hand-held military radios and other communications equipment
- Other military or forward-situation (e.g. emergency response) applications

COMPATIBLE CHARGERS

- CH0008, soldier charger
- CH0012, 12-bay charger
- CH0015, desktop evaluation charger

Note 1	For a complete description of transportation regulations and definitions of the transportation classifications "Excepted" and "Class 9," refer to the Ultralife web site at www.ultralifebatteries.com .
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DIMENSIONS



PERFORMANCE GRAPHS

