UBBL06 (LI-145)

Technical Datasheet

SMART! CIRCUIT®

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

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

OPTIONAL CHARGERS

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

OPTIONAL CABLES

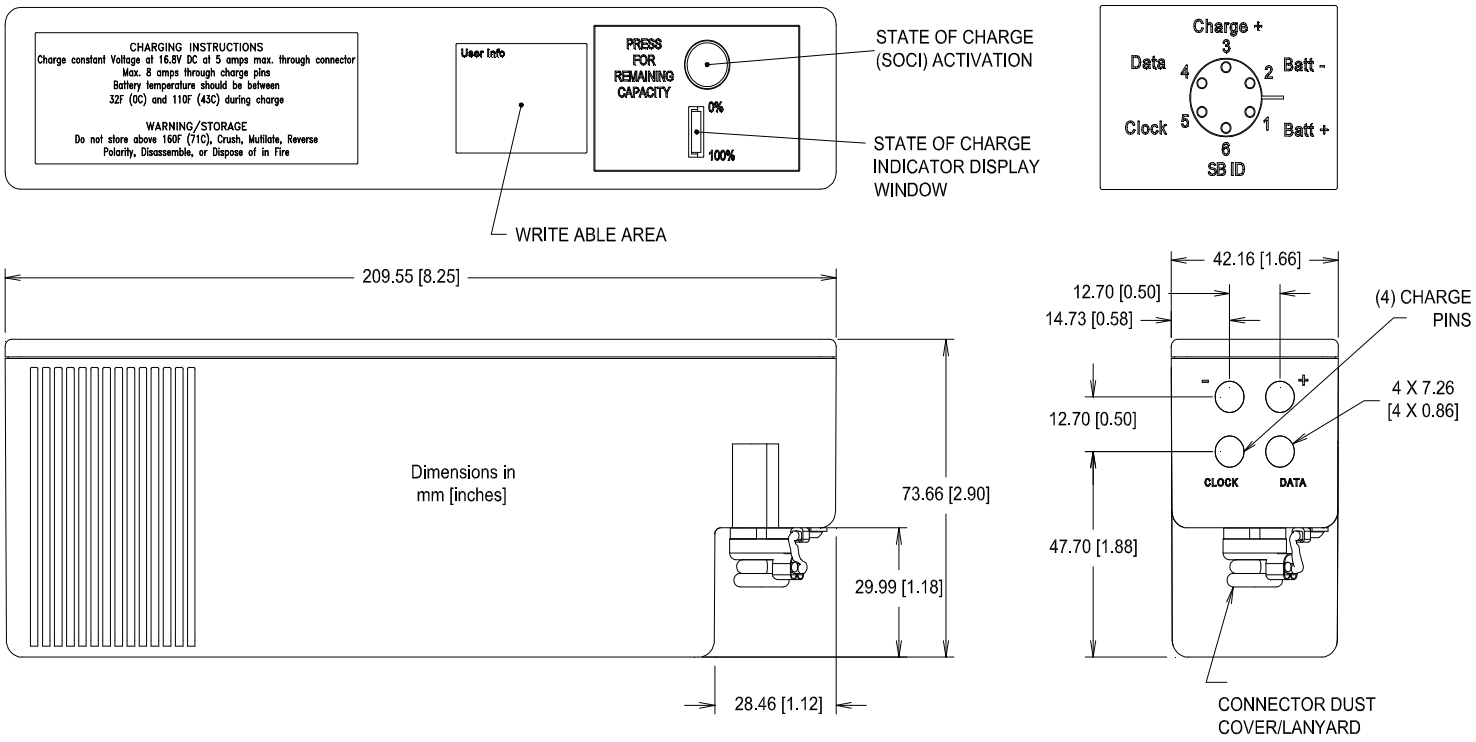
- CA0009: Non-shielded Cable
- CA0022: Shielded Cable

SPECIFICATIONS

Part No	UBBL06
NSN	6140-01-542-4380
Voltage Range	10.0 to 16.8V
Average Voltage	15.2V
Nominal Capacity	9.4Ah @ C/5 Rate @ 23℃
Max. Discharge	5.0A continuous
Max. Pulse Discharge	15.0A for 915μs
Energy	143Wh
Energy Density	140Wh/kg, 220Wh/l
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℃ to 55℃
Storage Temp	-32℃ to 60℃
Self-Discharge	< 4% per month
Exterior/Housing	GE Noryl. Color: Black, FED-STD-595
Terminals/Connector	Glenair 807-216-07ZNU6-6DY
Communication	SMBus v1.1
Safety	Material Safety Datasheet – MSDS060 Safety Guide UBI-5112
Transportation	Class 9 International and within US unless shipped by motorcar or rail within the US (see note.)
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 and Fuses	Over Voltage Limit: 4.35V +/- 0.25V (per cell) Under Voltage Limit: 2.5V +/- 0.1V (per cell) Over Current Protection: 5.0A Resettable fuse 70℃+5℃, one-time thermal fuse 91℃+0℃-4℃
Charging	Maximum charge rate is 5.0 A to maximum voltage of 16.8 Volts in a temperature range of 0°to 45℃. Hold at 16.8 Volts until current declines to 350mA. Using charge pins, the current can be increased to 8.0A during charge. Refer also to Safety Guide UBI-5112.

Note	Complete description of transportation regulations, lithium weights and transportation classifications is available on the Ultralife Website. Ultralife Transportation Regulations and Information

DIMENSIONS



PERFORMANCE GRAPHS