

UBBL09

Technical Datasheet



FEATURES

- Rugged, military tough case construction
- SmartCircuit® technology - Implements SMBus v1.1 smart battery technology
- High energy density
- Wide operating temperature range
- Lightweight

APPLICATIONS

- Rugged, Portable Electronics
- Robotics
- Communication Devices
- AUVs and UUVs

OPTIONAL CHARGERS

- CH0014: Desktop Charger

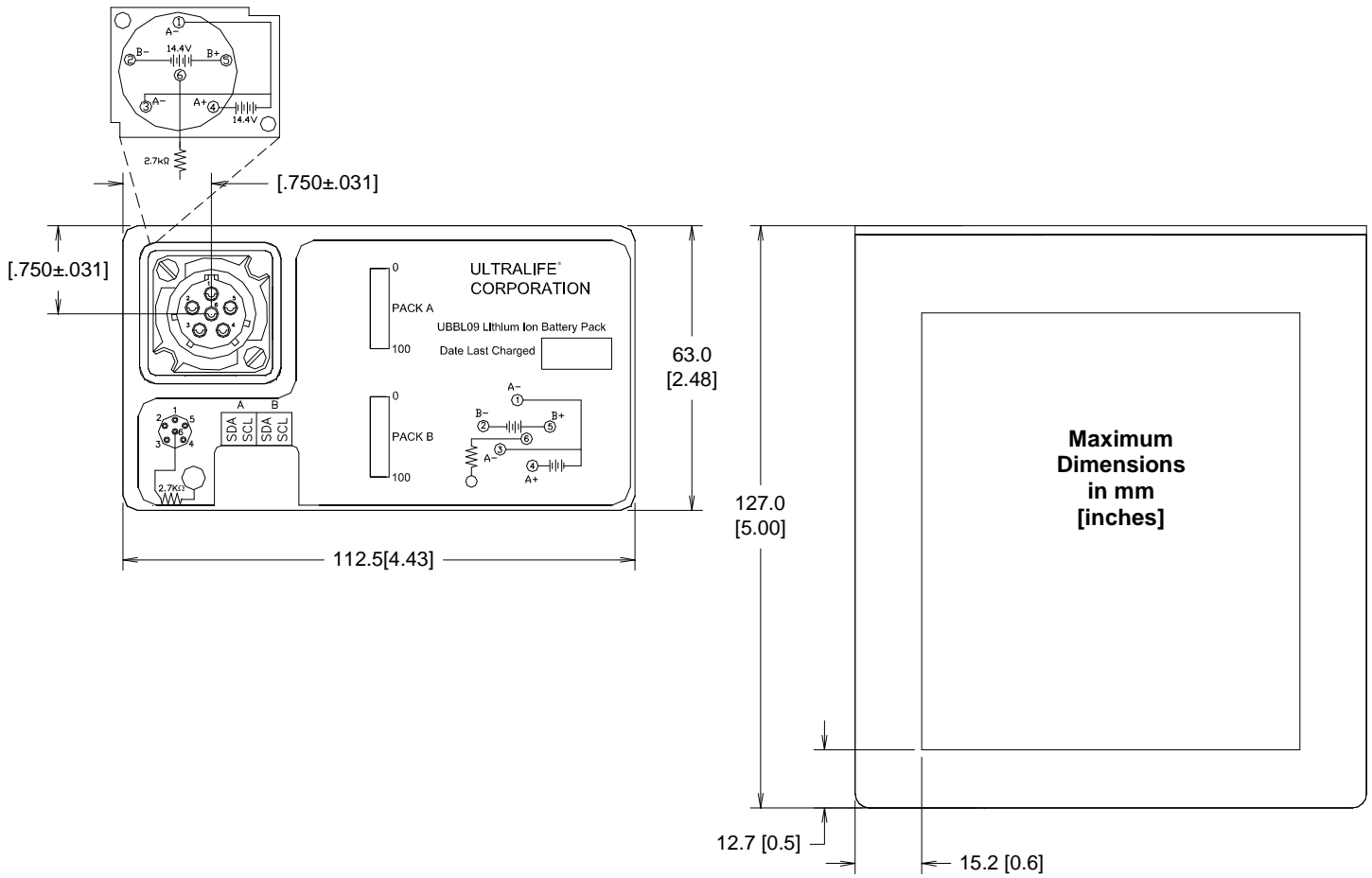
OPTIONAL CABLES

- CA0002: 4 Conductor Cable
- CA0003: Vehicle Adapter
- CA0006: 24V, 2 Conductor Cable
- CA0007: 12V, 2 Conductor Cable
- CA0008: 12/24V, 4 Conductor Cable

SPECIFICATIONS

Part No	UBBL09
Voltage Range	24V Mode: 18.0 to 25.2 Volts 12V Mode: 9.0 to 12.6 Volts
Average Voltage	24V Mode: 22.2 Volts 12V Mode: 11.1 Volts
Nominal Capacity	24V Mode: 9.2Ah @ 500mA @ 23°C 12V Mode: 18.4Ah @ 1.0A @ 23°C
Max. Discharge	24V Mode: 6A Continuous 12V Mode: 12A Continuous
Max. Pulse Discharge	24V Mode: 18.0A for 5 seconds 12V Mode: 36.0A for 5 seconds
Energy	204Wh
Energy Density	142Wh/kg, 227Wh/l
Weight	1440 grams
Cycle Life	> 300 cycles @ C/5 to 80% of initial capacity
Memory	No Memory Effect
Operating Temp	-32°C to 60°C
Storage Temp	-32°C to 60°C
Self-Discharge	< 5% per month
Exterior/Housing	Hard plastic
Terminals/Connector	SC-C-179495
State of Charge Indicator	LCD Display
Safety	Material Safety Datasheet – MSDS099 Safety Guide UBI-5112
Transportation	Class 9 International and within US unless shipped by motorcar or rail within the US (see note).
Protection Circuit Module and Fuses	Over Voltage Limit: 4.25V (per cell) Under Voltage Limit: 2.30V (per cell) Over Current Protection: 19.0A One-time thermal fuse 91±0% -4°C
Charging	Maximum charge rate is 3.0A to maximum voltage of 12.6V in a temperature range of 0°C to 45°C. 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

