

UBBL09/B

Technical Datasheet



Features

- Rugged, military tough case construction
- SmartCircuit® technology - implements SMBus v1.1 smart battery technology
- Smart battery data specification (SBD) v1.0 dataset enables improved battery management when used with smart charger
- Flexible output voltage high energy density
- State-of-Charge display
- Wide operating temperature range
- Lightweight

Applications

- Rugged, Portable Electronics
- Robotics
- Communication Devices
- AUVs and UUVs
- AN/PRC-117G, AN/PRC-117F, AN/PRC-119, AN/PSC-5D

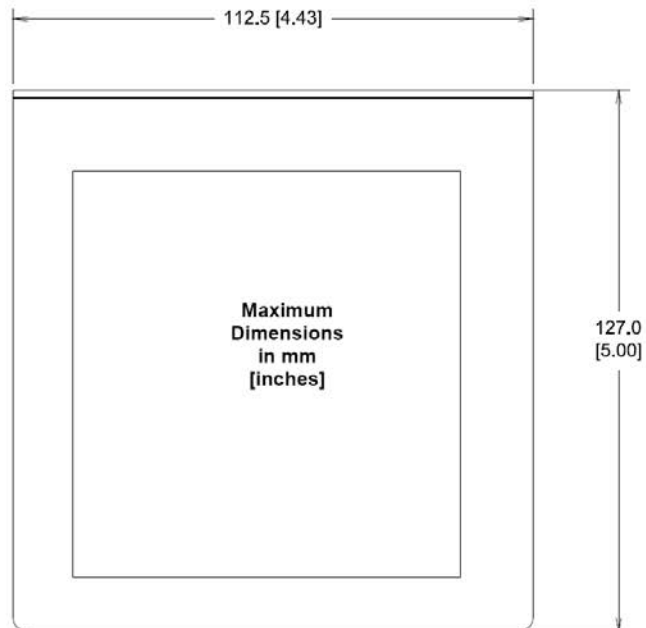
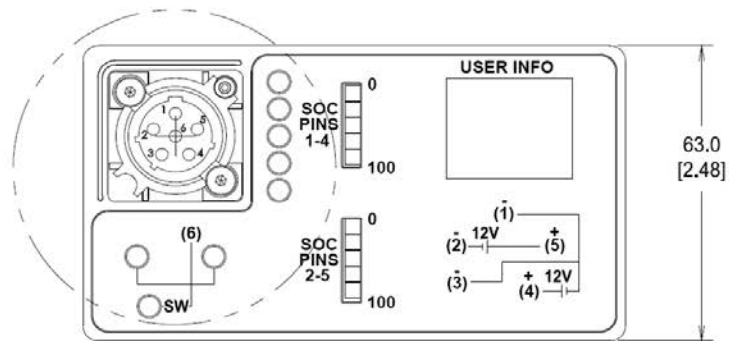
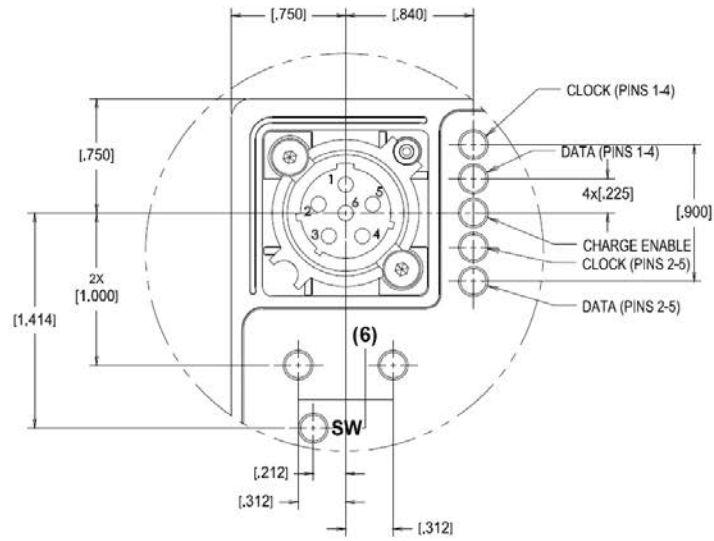
Optional Accessories

- UCH0056: Smart Desktop Charger
- CH0014: Desktop Charger
- CH0003 or MRC-86A: 6-bay Charger
- CH0004 or MRC-85A: 2-bay Charger
- CA0002: 4 Conductor Cable
- CA0003: Vehicle Adapter
- CA0006: 24V, 2 Conductor Cable
- CA0007: 12V, 2 Conductor Cable
- CA0008: 12/24V, 4 Conductor Cable
- UCA0039: Shielded Smart Cable

Technical Specifications

Part No.	UBBL09/B
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
Capacity	24V Mode: 10.4Ah @ 500mA @ 23°C 12V Mode: 20.8Ah @ 1.0A @ 23°C
Max. Discharge	24V Mode: 10A continuous 12V Mode: 20A continuous
Max. Pulse Capability	24V Mode: 18.0A for 5 seconds 12V Mode: 36.0A for 5 seconds
Energy	230Wh
Energy Density	148Wh/kg, 241Wh/l
Weight	1440g
Cycle Life	> 300 cycles @ C/5 to 80% of initial capacity
Memory	No memory effect
Operating Temperature	-32°C to 60°C
Storage Temperature	-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 - MSDS041 Safety Guide UBM-5112
Transportation	Class 9 International and within U.S. unless shipped by motorcar or rail within U.S. (see note)
Protection	Over Voltage Limit: 4.30V (per cell) Under Voltage Limit: 2.75V (per cell) Over Current Protection: 19.0A One-time thermal fuse 91°+0°C-4°C
Charging	Recommended charge rate is 3.0A to maximum voltage of 12.6V in a temperature range of 0°C to 45°C. Hold at 12.6V until current declines to 300mA. Max charge rate is 4.5A at 23°C.
Warning	To prevent injury or burns, do not disassemble, crush, short circuit, overheat or dispose of in fire.
Note	A complete description of transportation regulations, lithium weights and transportation classifications is available on the Ultralife website.

Dimensions



Performance Graphs

