URB0001: Li-ion Multi-Kilowatt Module

Technical Datasheet

Features

- High energy density
- Wide operating temperature range
- Meets demanding requirements of high power devices
- High energy density for maximum power per kilogram
- Capable of 3000+ cycles with over 80% retained capacity
- Direct replacement for 1-5kWh Lead-acid batteries in 24V or 48V applications
- State-of-the-art Lithium Iron Phosphate advanced battery chemistry
- Rapid charge capability
- Form-C contact function
- Fits two, side by side, on 19” rack shelf

Applications

- In-line power back-up
- Supplemental / Reserve power
- Telecom
- Data centers
- Emergency power
- Remote portable power
- Forklift trucks
- Personal transport
- Medical devices

Optional Accessories

- Mating connector
- Power cable, 6ft.
- Balance / Form-C connector
- Integration accessory kit

Technical Specifications	
Part No	URB0001
Voltage Range	24.0V – 28.8V
Average Voltage	25.6V
Capacity	100Ahr
Max. Discharge	100A continuous
Max. Pulse Discharge	125A for 2 seconds, 200A for 500µSec
Energy	2560Wh
Energy Density	73Wh/Kg
Weight	35Kg (77lb)
Cycle Life	≥3000 cycles @ 1C to 80% of initial capacity
Memory	No Memory Effect
Operating Temperature	-20˚C to 65˚C
Charge Temperature	5˚C to 45˚C
Storage Temperature	-30˚C to 70˚C
Self-Discharge	<5% per month
Exterior/Housing	Gray, ABS Plastic
Terminals/Connector	Anderson SB120
LED Indicators	Green: LED “On”, Red: LED “Fault”
Safety	Material Safety Datasheet – MSDS00152 Safety Guide UBM-5112
Protection	Over Voltage Limit: 30.0V Under Voltage Limit: 20.0V Over Discharge Current Limit: 120A Automotive grade 175A UL rated fuse
Transportation	Class 9 Int’l and within US unless shipped by motorcar or rail within the US (see note.)
Harmonized Tariff Code	8507.60.0000
Charging	Recommended charge profile is CC/CV at 12A to 28.0VDC @ temperature range 0˚C to 45˚C with a taper to 5A. Fast charge rate is 20A @ 25˚C. Charge rate can be up to 100A, however a charge rate over 20A may reduce cycle life.
Certifications	CE testing is pending
Note	A complete description of transportation regulations, lithium weights and transportation classifications is available on the Ultralife website.

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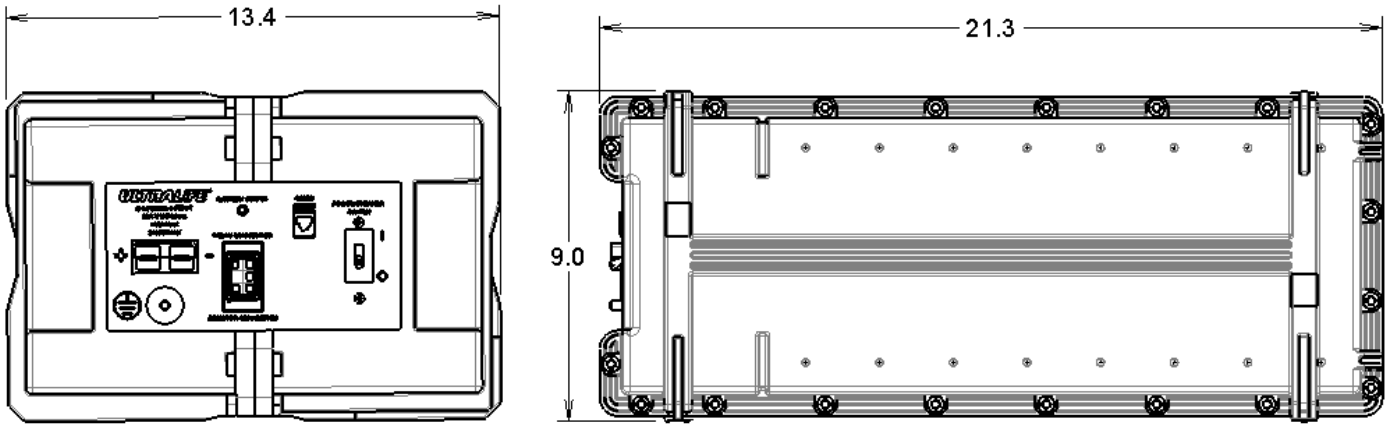
Dimensions



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