

UI15H01004R2 BATTERY

Technical Datasheet - Tentative

Technical Specifications

Part No.	UI15H01004R2
Battery	Lithium Iron Phosphate (LiFePO4)

Electrical Parameters

Nominal voltage	48V
Nominal capacity	100Ah
Max. charge current	25A
Max. charge voltage	54.75V
Cont. discharge	100A
Peak discharge	100A
Life expectancy @ 25°C 0.2C Charge/0.2C Discharge	>2000 cycles with min 80% of initial capacity
Energy	4.8 KWh

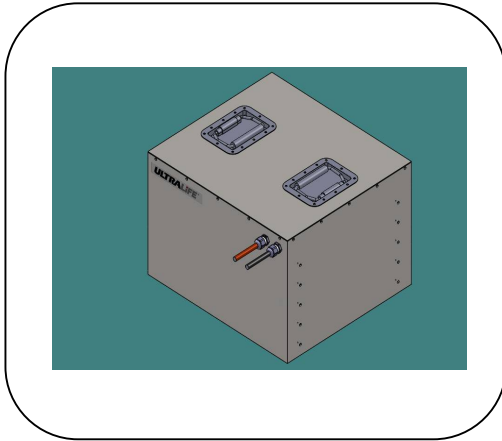
Safety Parameters PCM

Over-charge detection voltage	3650mV/cell ± 0.025 Volts
Over-discharge detection voltage	2500mV/cell ± 0.063 Volts

Operating temperature	0°C to 45°C (charge)
	-20°C to 60°C (discharge)
Storage temperature	-20°C to 60°C max
	-20°C to 20°C recommended

Physical Parameters

Length	450mm
Width	400mm
Height	310mm
Weight	70Kg
Contacts Output	Flying Leads
Enclosure	Sheet Metal Powder Coated



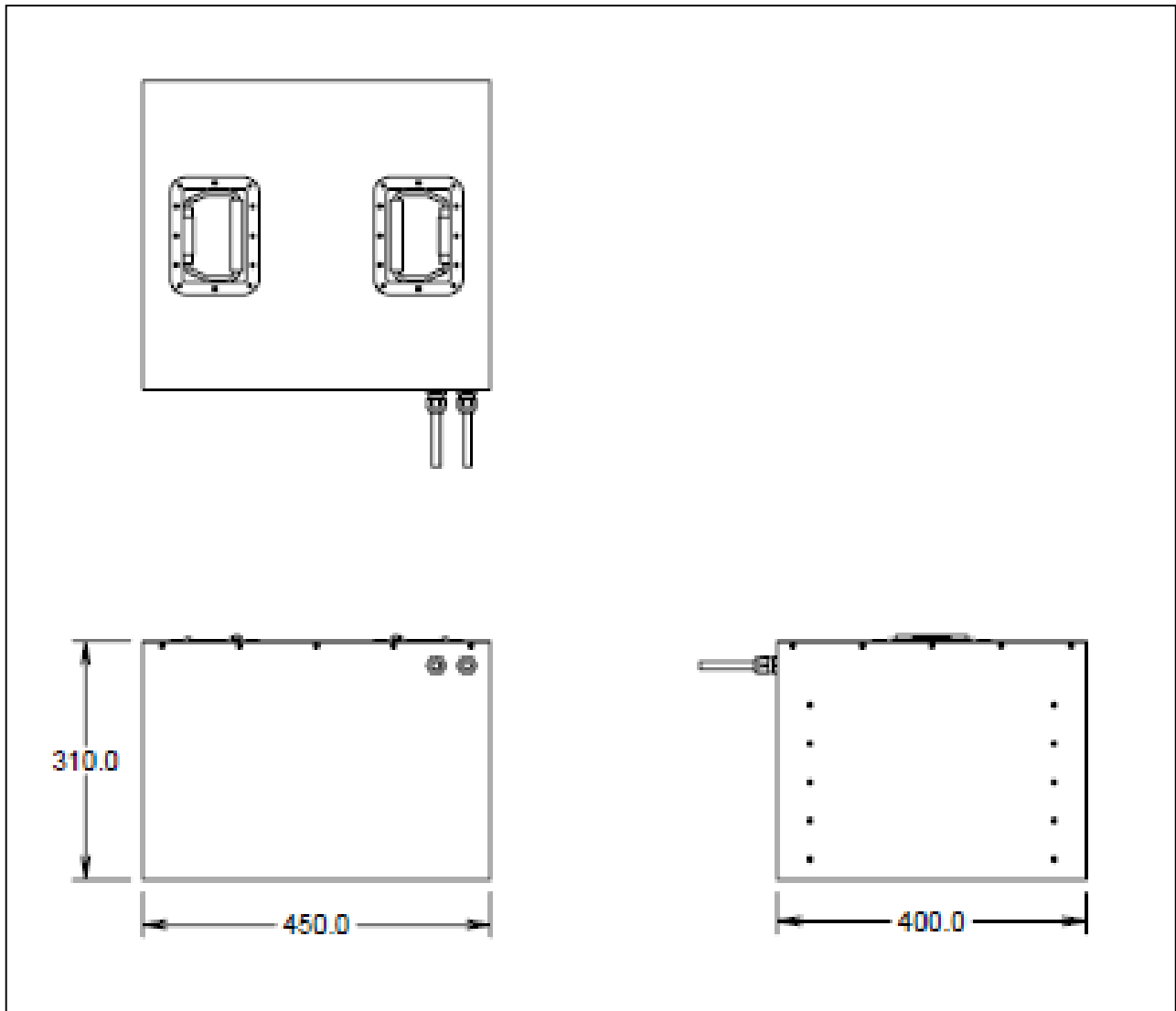
Features

- High energy density.
- Built-in Protection Module
- Comprehensive charging/ discharging and passive safety systems.
- State of charge indicator with Voltage based

Application

- Suitable for use with Tow Trucks and Industrial Robotics

Dimensional Drawing



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