

UI04HA10001 BATTERY

Technical Datasheet - Tentative



Features

- High energy density.
- Built-in Protection Module
- Comprehensive charging/ discharging and passive safety systems.
- Integrated Battery Management System (BMS) CAN BUS

Application

- Suitable for use with Industrial Robotics

Technical Specifications

Part No.	UI04HA10001
Chemistry	Lithium Iron Phosphate (LiFePO4)

Electrical Parameters

Nominal voltage	12.8V
Nominal capacity	10Ah
Recommended charge current	10 A
Maximum Charge Current	100A (<15 Seconds)
Max. charge voltage	14.6V
Cont. discharge	30A
Pulse Discharge Current	40A (<30 Seconds)
Life expectancy @ 25°C 0.2C Charge/0.2C Discharge	>2000 cycles with min 80% of initial capacity
Energy	128 Wh

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) -30°C to 60°C (discharge)
Storage temperature	-40°C to 60°C max -20°C to 20°C recommended

Physical Parameters

Length	195mm
Width	130mm
Height	185mm
Weight	3.2 Kg Approx With IP56 ABS Enclosure
Contacts Output	M6
Enclosure	Metal Enclosure

UI04HA10001

Ultralife Batteries India Private Limited

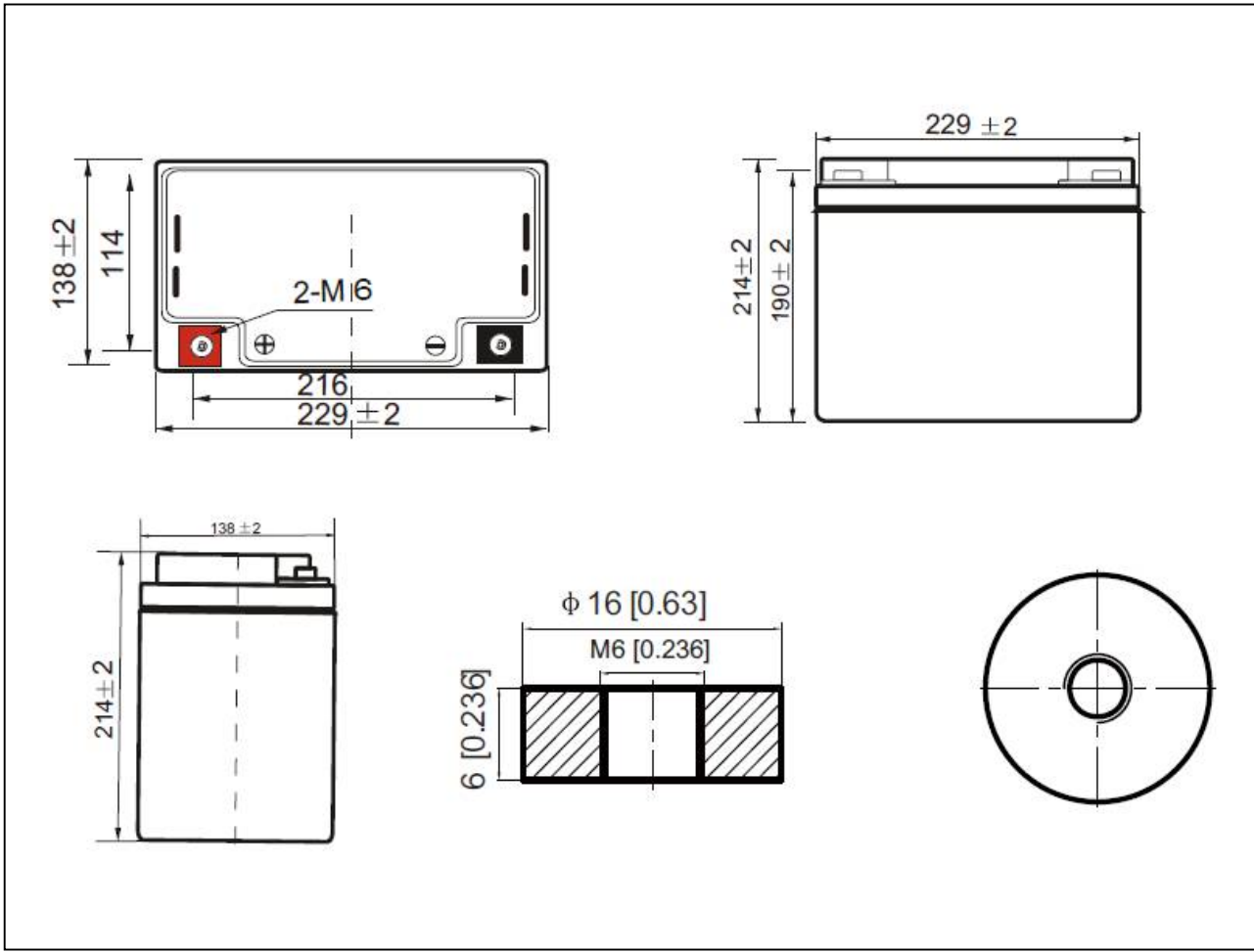
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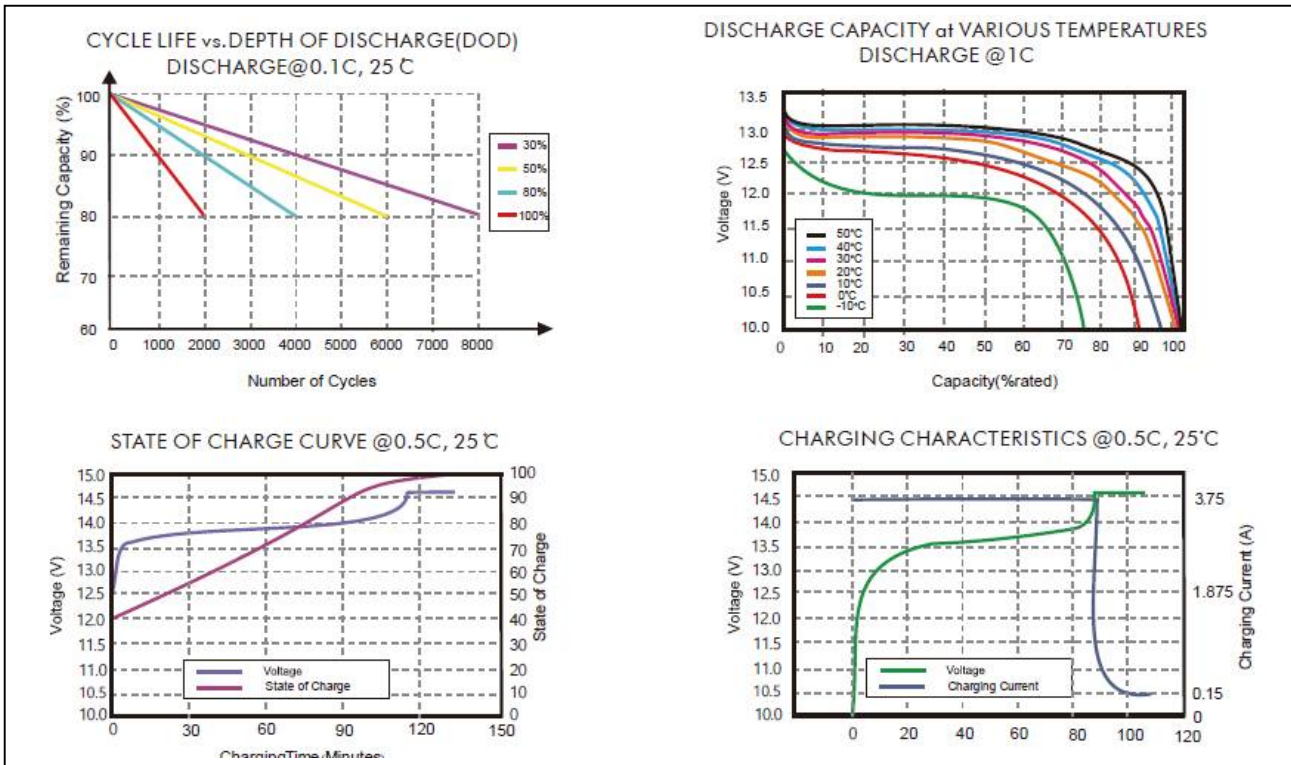
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Dimensional Drawing



Performance Characteristics



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