

CELL FEATURES

- High capacity Lithium Ferrophosphate (LFP) prismatic cell
- One of the safest lithium chemistries currently available
- High charge & discharge efficiency lead acid alternative
- Excellent cycle life and thermal stability
- Easily configurable for a variety of voltages and capacities
- Available in a wide range of sizes and capacities

PERFORMANCE CHARACTERISTICS	TYPICAL
Capacity	50Ah
Voltage (Nominal)	3.2V
Discharge Energy	160Wh
Weight	1.18 kg ± 0.05
Specific Energy	140Wh/kg
Max Cont. Discharge Current @ 25°C	50A
Max Pulse Discharge Current @ 25°C, 10s	150A
DC Resistance	≤0.4 mΩ
Peak Power	≤800W
Specific Power	≤678W/kg

CYCLE LIFE	TYPICAL
100% DOD Cycles @ 25°C, 1C/1C	≥2000 cycles*
100% DOD Cycles @ 45°C, 1C/1C	≥1200 cycles*

*Cycle life to 80% of rated capacity

OPERATIONAL RANGE	TYPICAL
Upper Voltage Limit	3.65V
Lower Voltage Limit	2.5V
Charge Temperature Range	0°C ~ 55°C
Discharge Temperature Range	-20°C ~ 55°C

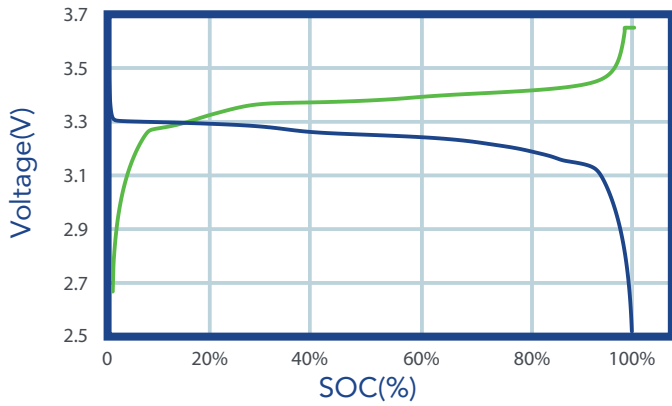


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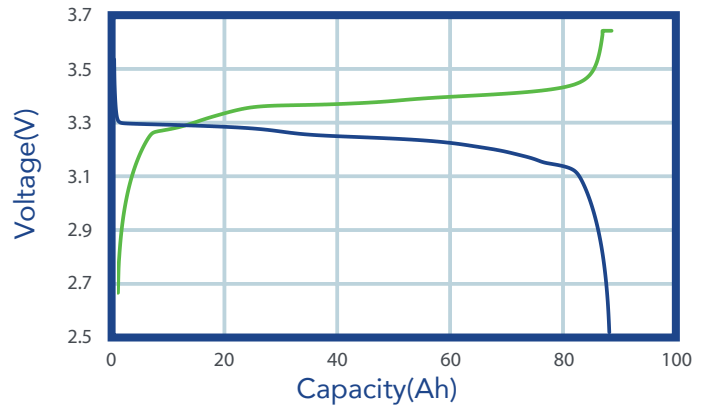


MECHANICAL SPECIFICATIONS	
Dimensions (LxWxH)	148.4 x 39.7 x 95.7mm
	5.8 x 1.6 x 3.8in
Weight	1.18kg / 2.6lbs
Terminal Type	Weldable Tabs (custom options upon request)
Chemistry	LiFePO ₄

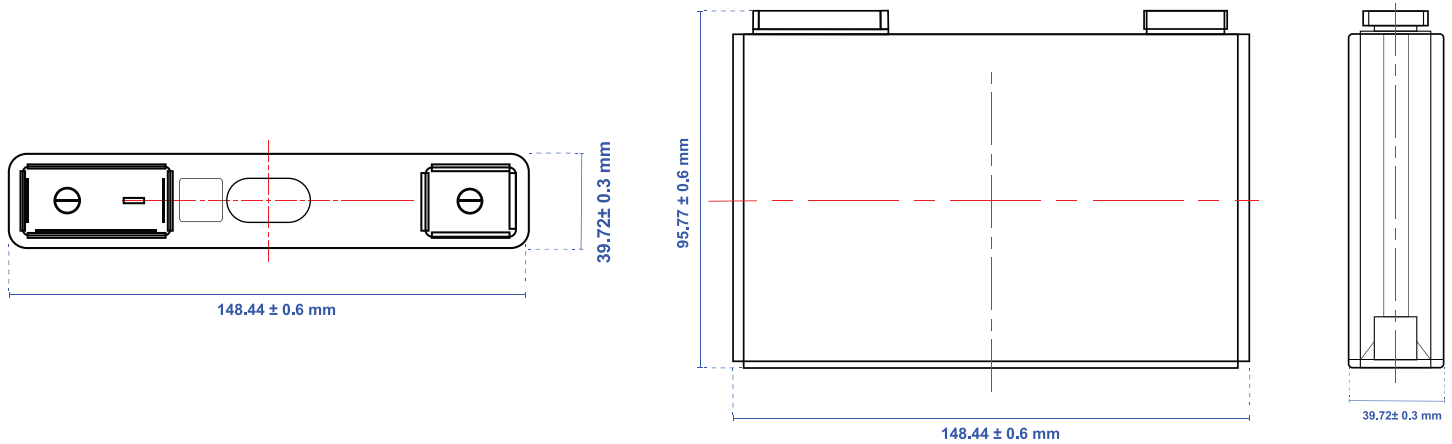
CHARGE/DISCHARGE CURVE SoC%



CHARGE/DISCHARGE CURVE CAPACITY/Ah



MECHANICAL DRAWINGS (mm)



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