

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



#580015

PERFORMANCE CHARACTERISTICS	TYPICAL
Capacity	277Ah
Voltage (Nominal)	3.22V
Discharge Energy	892Wh
Weight	5.35 kg ± 0.02
Specific Energy	167Wh/kg
Max Cont. Discharge Current @ 25°C	277A
Max Pulse Discharge Current @ 25°C, 10s	831A
DC Resistance	≤0.4 mΩ
Peak Power	≤4459.7W
Specific Power	≤833.6W/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	2.0V
Charge Temperature Range	0°C ~ 55°C
Discharge Temperature Range	-20°C ~ 55°C



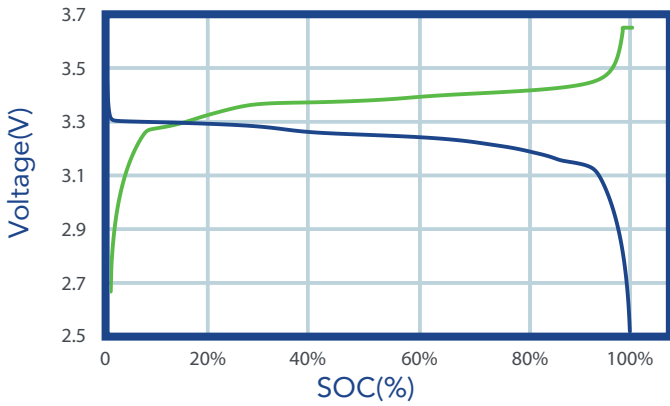
277Ah 3.22V

MECHANICAL SPECIFICATIONS

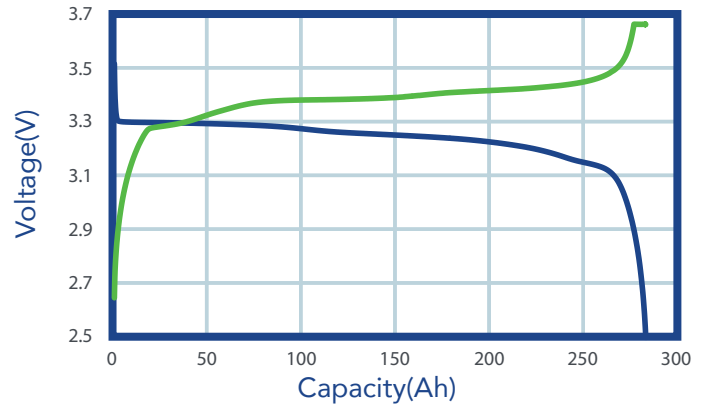
Dimensions (LxWxH)	174.6 x 71.6 x 207.1mm
	6.9 x 2.8 x 8.2in
Weight	5.35kg / 11.79lbs
Terminal Type	M4 screw terminals (custom options upon request)
Chemistry	LiFePO_4

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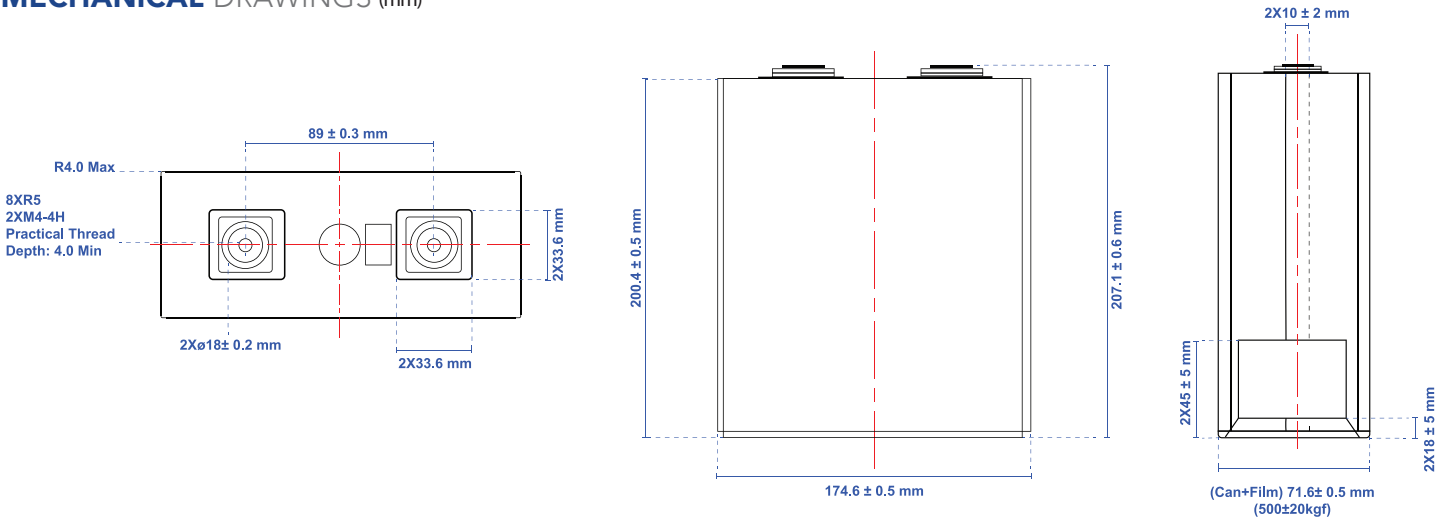
CHARGE/DISCHARGE CURVE SoC%



CHARGE/DISCHARGE CURVE CAPACITY/Ah



MECHANICAL DRAWINGS (mm)



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Power Solutions



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