

Advantages of LFP Over SLA

- Lower cost per cycle, greater than ten times the cycle life of sealed lead-acid batteries
- Ultra-light weight; Significantly lighter than sealed lead-acid batteries
- Drop in replacement for sealed lead-acid batteries
- Can use the same charger as sealed lead-acid batteries in most cases (limited to a voltage of 14.6 volts)
- Faster charging as a result of higher charge current
- More usable capacity - sealed lead-acid battery capacity decreases as discharge current increases
- Includes Battery Management System (BMS) protection. Contains a circuit that fully protects itself with a Low Voltage Disconnect and a High Current Disconnect on discharge
- Balancing circuit on charge

Specification

Nominal Voltage	12.8 Volts		
Nominal Capacity	77° F (25° C)		
20-hr. (5 A)	103 Ah		
10-hr. (10 A)	103 Ah		
3-hr. (33 A)	103 Ah		
2-hr. (48.5 A)	97 Ah		
Approximate Weight	23.1 lbs (10.5 kgs)		
Internal Resistance (approx.)	≤10mΩ		
Shelf Life (% of normal capacity at 68° F (20° C)			
3 Months	6 Months	12 Months	
97%	95%	85%	
Temperature Dependency of Capacity			
-10°C	0°C	25°C	55°C
50%	65%	100%	95%

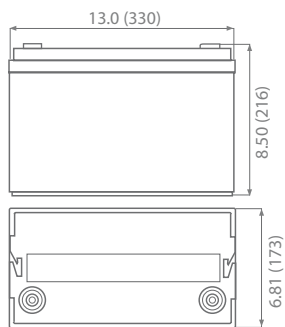


Due to continuous improvements to our products, product may vary slightly from depiction.

Battery Certifications	UN38.3
Cell Certifications	IEC62619:2017; UL 1642; ROHS
LFP Operational Temperature	
Charge	32°F to 113°F (0°C to 45°C)
Discharge	-4°F to 140°F (-20°C to 60°C)
LFP Storage Temperature	14°F to 95°F (-10°C to 35°C)
Charge Method (Constant Voltage)	
Cycle Use (Repeating Use)	
Initial Current	20 A or smaller
Control Voltage	14.6 V
Float Use	
Control Voltage	13.8V

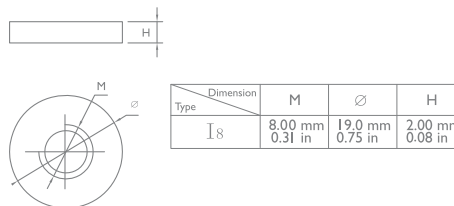
Battery has an Internal Low Voltage Disconnect and a Maximum Current Shutoff

Physical Dimensions: in (mm)

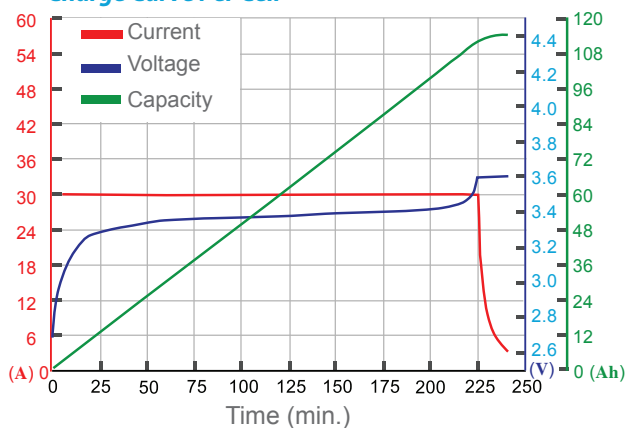


L: 13.0in (330mm)
W: 6.81in (173 mm)
H: 8.50in (216mm)
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Terminals



Charge Curve Per Cell



Discharge Curve Per Cell

