

### 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



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

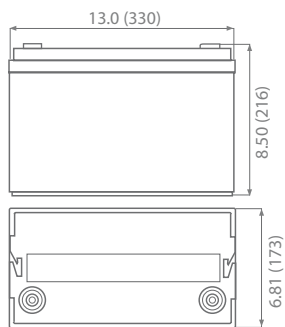
### Specification

<b>Nominal Voltage</b>	12.8 Volts		
<b>Nominal Capacity</b>	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		
<b>Approximate Weight</b>	23.1 lbs (10.5 kgs)		
<b>Internal Resistance</b> (approx.)	≤10mΩ		
<b>Shelf Life</b> (% of normal capacity at 68° F (20° C)			
3 Months	6 Months	12 Months	
97%	95%	85%	
<b>Temperature Dependency of Capacity</b>			
-10°C	0°C	25°C	55°C
50%	65%	100%	95%

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

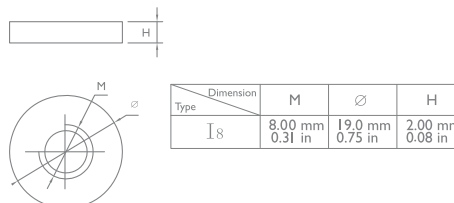
Battery has an Internal Low Voltage Disconnect and a Maximum Current Shutoff

### Physical Dimensions: in (mm)

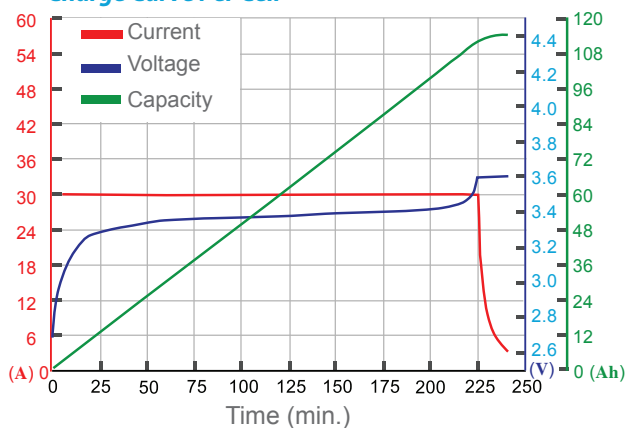


**L:** 13.0in (330mm)  
**W:** 6.81in (173 mm)  
**H:** 8.50in (216mm)  
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

### Terminals



### Charge Curve Per Cell



### Discharge Curve Per Cell

