

## 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
- **12 Ah size case**



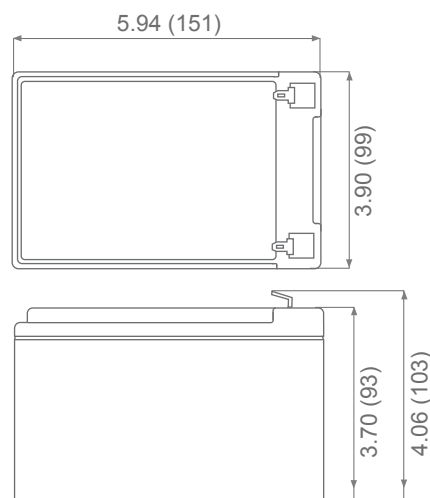
Due to continuous improvements to our products, product may vary slightly from depiction.

## Specification

<b>Nominal Voltage</b>		12.8 Volts	
<b>Nominal Capacity</b>		77° F (25° C)	
20-hr.	(.90 A)	18.0 Ah	
10-hr.	(1.8 A)	18.0 Ah	
5-hr.	(3.6A)	18.0 Ah	
2-hr.	(8.5 A)	17.1 Ah	
<b>Approximate Weight</b>		4.0 lbs (1.83 kgs)	
<b>Internal Resistance</b> (approx.)		≤45mΩ	
<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>	IEC62133-2:2017; UL 1642
<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	9 A or smaller
Control Voltage	14.6 V
<b>Float Use</b>	
Control Voltage	13.8 V

## Physical Dimensions: in (mm)



**L:** 5.94 in (151mm)  
**W:** 3.90 in (99 mm)  
**H:** 3.70 in (93 mm)  
**TH:** 4.06 in (103 mm)  
 Tolerances are +/- 0.04 in. (+/- 1mm)  
 and +/- 0.08 in. (+/- 2mm) for height  
 dimensions. All data subject to  
 change without notice.

## Terminals

### F Series (Faston Tabs)

Dimension Type	L	W	w	T
F2	7.9 mm 0.31 in	6.4 mm 0.25 in	8.2 mm 0.32 in	.8 mm 0.03 in

