

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
- 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

Nominal Voltage	12 Volts			
Nominal Capacity	77° F (25° C)			
20-hr. (.90 A)	18.0 Ah			
10-hr. (1.8 A)	18.8 Ah			
3-hr. (3.6 A)	18.0 Ah			
2-hr. (8.5 A)	17.1Ah			
Approximate Weight	4.60 lbs (2.10 kgs)			
Internal Resistance (approx.)	≤ 45m Ω			
Shelf Life (% of normal capacity at 68° F (20° C)				
	3 Months	6 Months	12 Months	
	97%	95%	90%	
Temperature Dependency of Capacity				
	-10°C	0°C	25°C	55°C
	50%	65%	100%	95%

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)

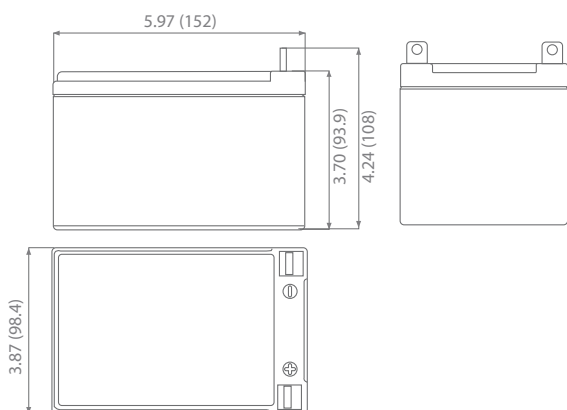
Cycle Use (Repeating Use)

Initial Current	9 A or smaller
Control Voltage	14.6V

Float Use

Control Voltage	13.8 V
-----------------	--------

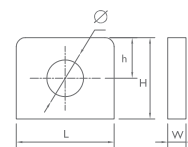
Physical Dimensions: in (mm)



L: 5.97in (152mm)
W: 3.87in (98.4 mm)
H: 3.70in (93.9mm)
TH: 4.24in (108mm)
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Terminals

T Series (Tab Terminal)



Dimension	L	W	H	h	ø
Type	12.0 mm 0.47 in	3.00 mm 0.12 in	10.0 mm 0.39 in	3.50 mm 0.14 in	5.50mm 0.22 in