

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 7.3 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

Nominal Voltage	6.4 Volts
Nominal Capacity	4.5 Ah
Total Energy	28.8 Wh
Weight	.84 lbs
Max Charging Current (A)	4.5
Charge Mode	@0.5C(A) to 7.3V, then @7.3V till charge current ≤ 0.05 (A)(CC,CV)
Recommended Charge Current	2.25(0.5C)
Charging Voltage (V)	7.3
Max. Discharging Current	4
End of Discharge Voltage (V)	5.6
Protection Class	IP65
Operating Humidity	0-95%RH (No condensing)
Operating Temperature Range	Charge: 0 ~ +45°C/32~ 113°F Discharge: -20° ~ +50°C/-4~ +131°F

Storage Temperature Range -20°C ~ +60°C/-4 ~ +140°F

Communication Interface /

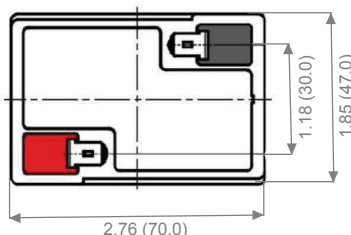
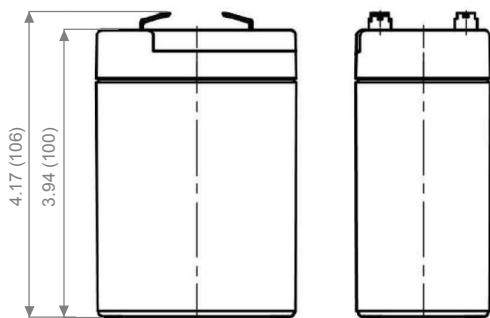
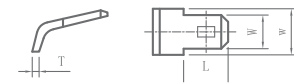
Cycle Life >1000¹

Protection Over voltage, Low voltage, Over temperature, Short circuit

Certification UN38.3, CE



Physical Dimensions: in (mm)

Dimension Type	L	W	w	T
F1	6.4 mm 0.25 in	4.8 mm 0.18 in	6.7 mm 0.26 in	.8 mm 0.03 in