

## 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



## Specification

<b>Nominal Voltage</b>	6.4 Volts
<b>Nominal Capacity</b>	4.5 Ah
<b>Total Energy</b>	28.8 Wh
<b>Weight</b>	380g
<b>Max Charging Current (A)</b>	4.5
<b>Charge Mode</b>	@0.5C(A) to 7.3V, then @7.3V till charge current $\leq 0.05$ (A)(CC,CV)
<b>Recommended Charge Current</b>	2.25(0.5C)
<b>Charging Voltage (V)</b>	7.3
<b>Max. Discharging Current</b>	4
<b>End of Discharge Voltage (V)</b>	5.6
<b>Protection Class</b>	IP65
<b>Operating Humidity</b>	0-95%RH (No condensing)
<b>Operating Temperature Range</b>	Charge: 0 ~ +45°C/32- 113°F Discharge: -20° ~ +50°C/-4- +131°F

<b>Terminals</b>	F1
<b>Storage Temperature Range</b>	-20°C ~ +60°C/-4 ~ +140°F
<b>Cycle Life</b>	>1000 <sup>1</sup>
<b>Protection</b>	Over voltage, Low voltage, Over temperature, Short circuit
<b>Certification</b>	UN38.3, CE
<b>UPC Number</b>	8 06593 48046 1

## Physical Dimensions: in (mm)

