



10.5 in.  
267 mm

9.0 in.  
229 mm

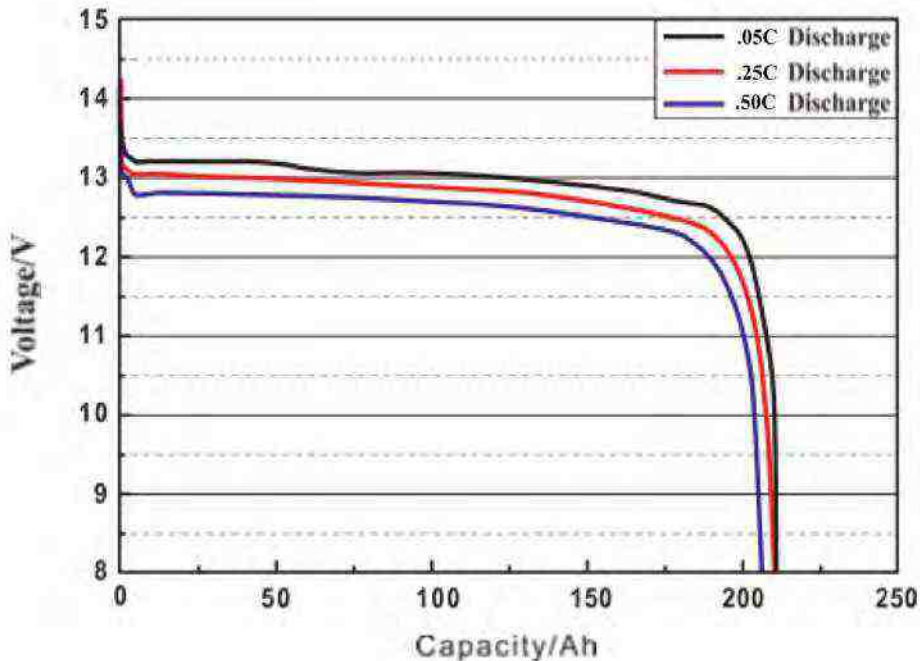
19.3 in.  
490 mm

## CYCLE LIFE

CAPACITY AT DIFFERENT CYCLES AT 100% DOD

100 cycles	99.7
500 cycles	96.3
1000 cycles	90.8
1500 cycles	85.4
2000 cycles	80.1

## 12V 200AH LITHIUM ION BATTERY



Amp Hours: 200AH

Voltage: 12.8V Nominal

Peak Amps: 1000 amps for 3-5 seconds

Life Expectancy: 3000-5000 Cycles

Weight (Battery Only): 72lbs. / 32.6kg

Efficiency: 99%

Minutes at 50A: 240

Max Continuous Charge: .5C = 100A

Max Continuous Discharge: .5C = 100A

Operating Temperature: -4 + 158 F / -20 + 70 C

Auto Low Voltage Cutoff: 8V - 10V

Auto Over Voltage Cutoff: 15.8V

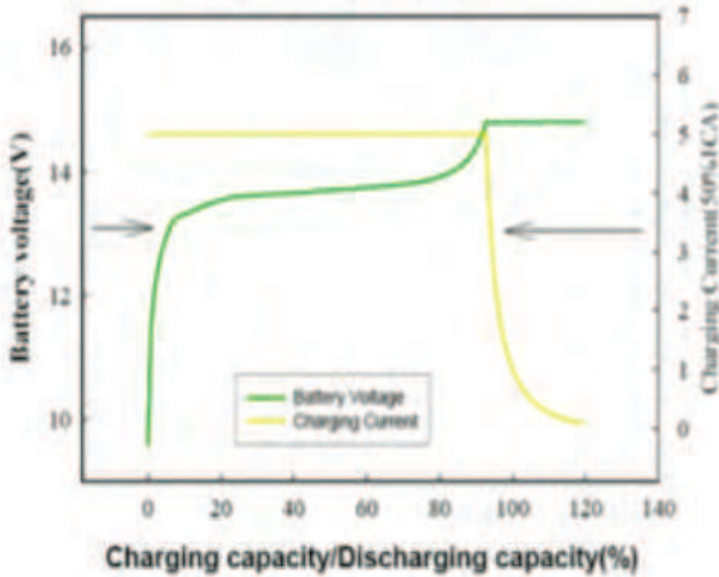
Charge Voltage: CC/CV 14.6V / Float 13.8V

Max Series Connection: 4

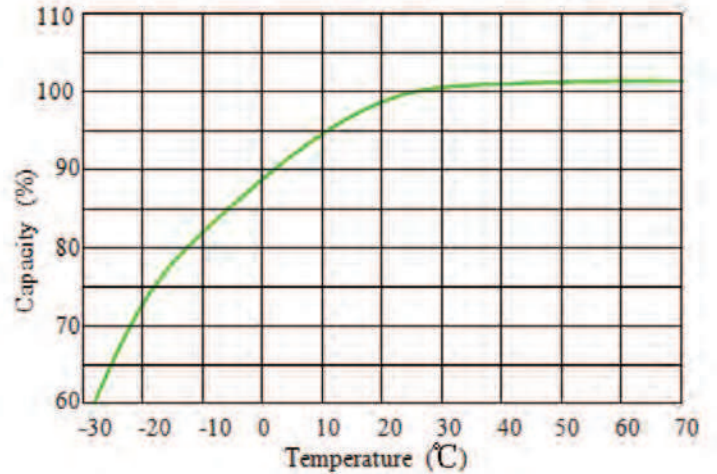
Max Parallel Connection: 4

Cell Type: Cylindrical LiFePO4

constant voltage charging characteristic  
(0.5CA, 25Celsius scale)



Temperature effects on capacity at 0.2C



Cycle life with DOD at 25°C, 0.2C

