



6.54 in.  
166 mm

6.73 in.  
171 mm

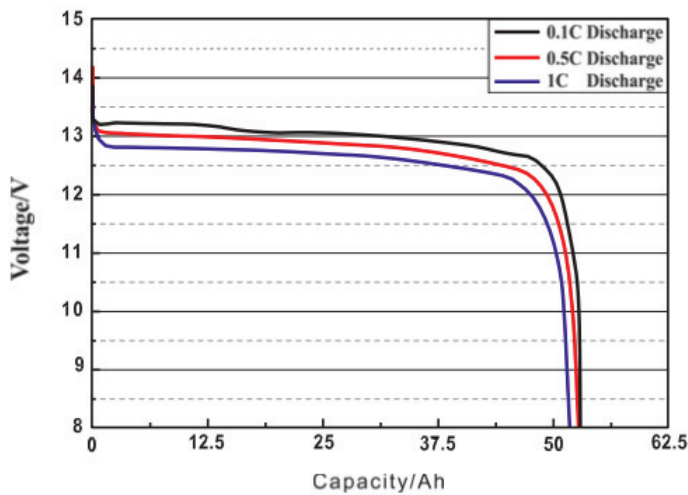
7.83 in.  
199 mm

## CYCLE LIFE

CAPACITY AT DIFFERENT CYCLES AT 100% DOD

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

## 12V 50AH LITHIUM ION BATTERY



Amp Hours: 50AH

Voltage: 12.8V Nominal

Peak Amps: 500

Life Expectancy: 3000-5000 Cycles

Weight: 15lbs. / 6.80kg

Efficiency: 99%

Minutes at 50A: 60

Max Continuous Charge: 1C=50A

Max Continuous Discharge: 1C=50A

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

Auto Low Voltage Cutoff: 8V

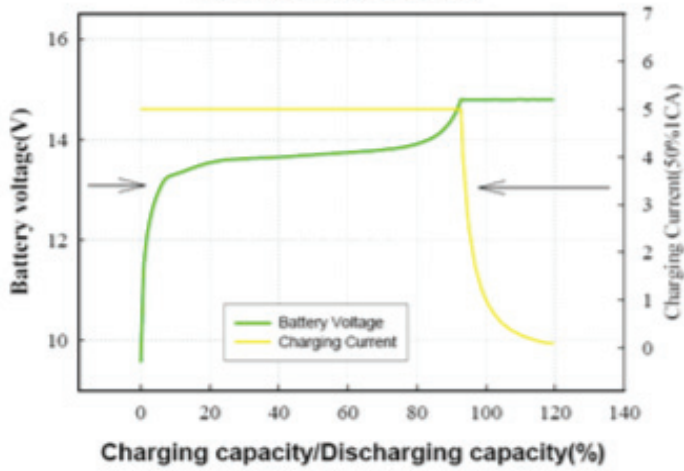
Auto Over Voltage Cutoff: 15.8V

Max Series Connection: 4

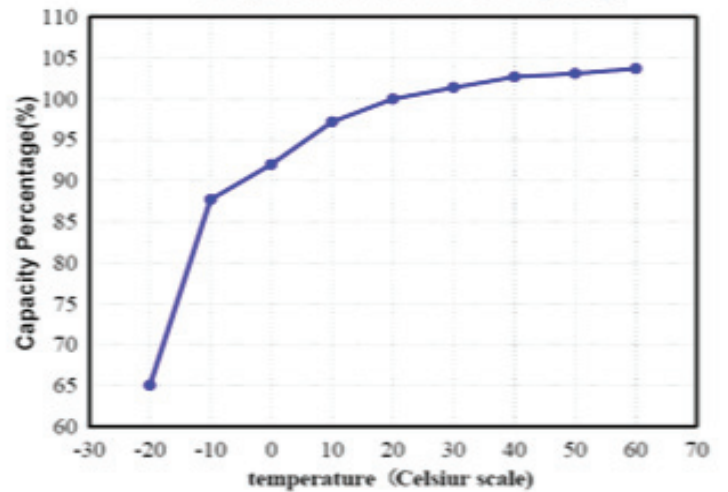
Max Parallel Connection: 4

Cell Type: Cylindrical LiFePO4

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



Temperature effects on capacity



Charging capacity/Discharging capacity (%)  
Cycle service life(100%Depth of discharge)

