



6.5 in.  
165.1 mm

6.8 in.  
172.72 mm

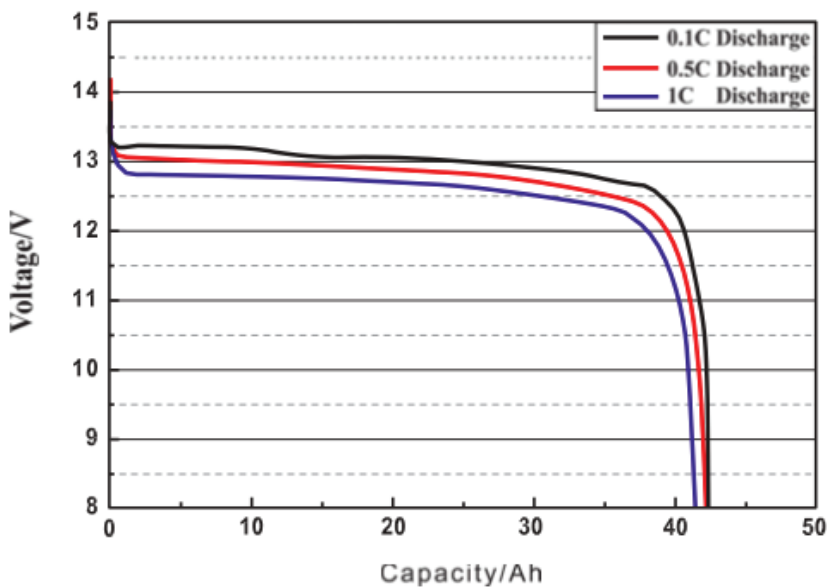
7.7 in.  
195.58 mm

## 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 40AH LITHIUM ION BATTERY



Amp Hours: 40AH

Voltage: 12.8V Nominal

Peak Amps: 400

Life Expectancy: 3000-5000 Cycles

Weight (Battery Only): 15lbs. / 6.8kg

Efficiency: 99%

Minutes at 20A: 120

Max Continuous Charge: 1C = 40A

Max Continuous Discharge: 1C = 40A

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

Auto Low Voltage Cutoff: 8V - 10V

Auto Over Voltage Cutoff: 15.8V

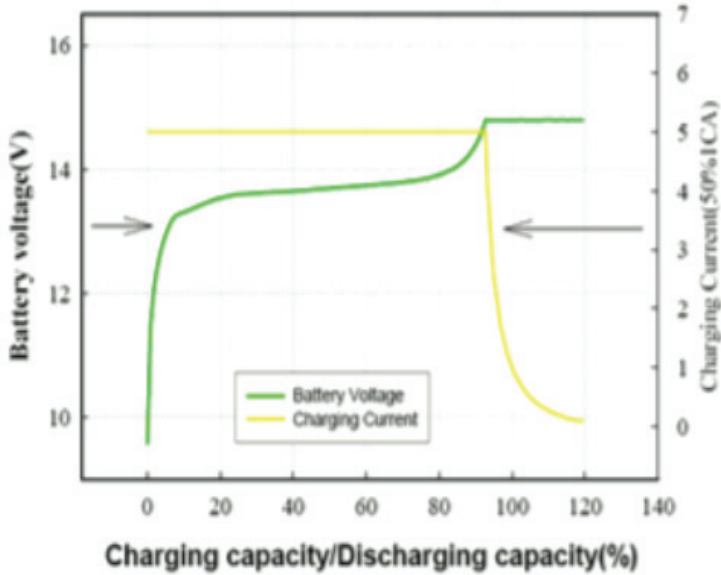
Charge Voltage: CC/CV 14.6V / Float 13.8V

Max Series Connection: 4

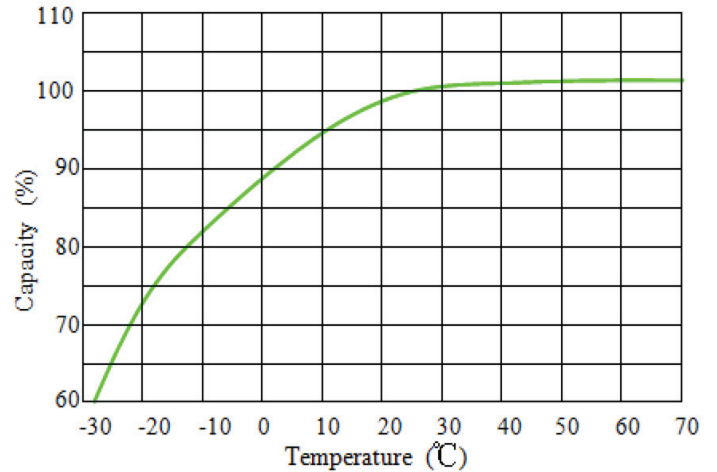
Max Parallel Connection: 4

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

