



6.62 in.
168 mm

8.62 in.
220 mm

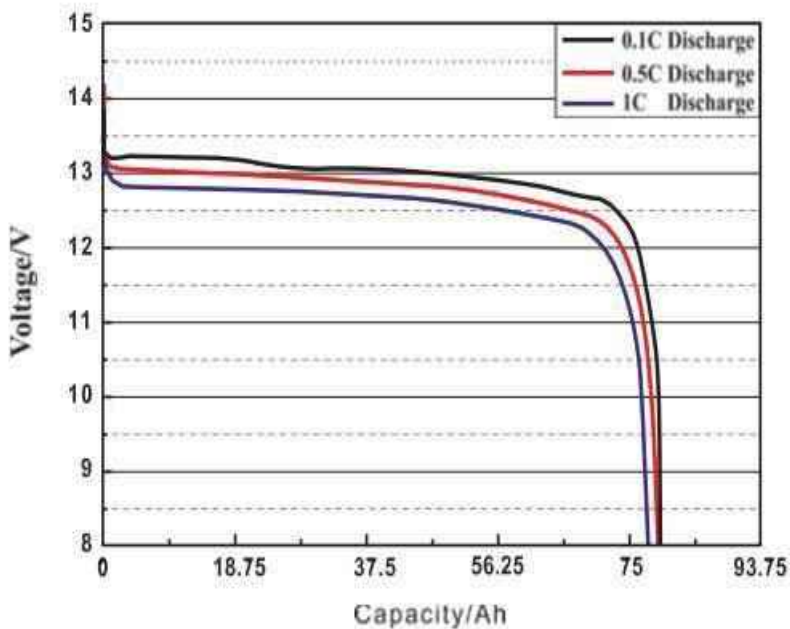
10.25 in.
261 mm

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 75AH LITHIUM ION BATTERY



Amp Hours: 75AH

Voltage: 12.8V Nominal

Peak Amps: 750 for 3-5 seconds

Life Expectancy: 3000-5000 Cycles

Weight (Battery Only): 26lbs. / 11.8kg

Efficiency: 99%

Minutes at 20A: 225

Max Continuous Charge: 1C = 75A

Max Continuous Discharge: 1C = 75A

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

Auto Low Voltage Cutoff: 8V - 10V

Auto Over Voltage Cutoff: 15.8V

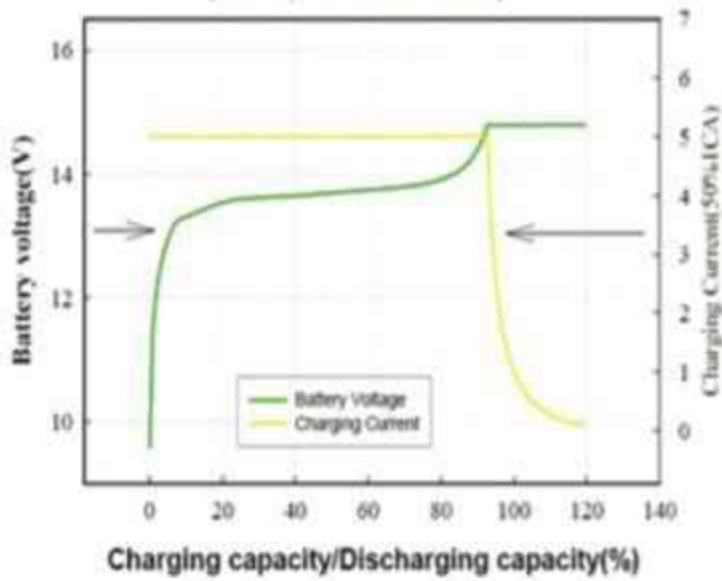
Charge Voltage: CC/CV 14.6V / Float 13.8V

Max Series Connection: 4

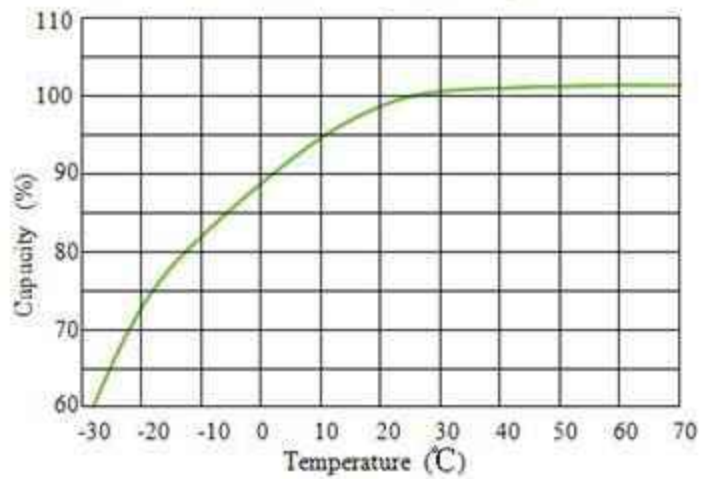
Max Parallel Connection: 4

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

