

DIMENSIONS

Dimensions for RBGT-16

Length	168 mm/6.6 in.
Width	128 mm/5.0 in.
Height	75.5 mm/2.9 in.

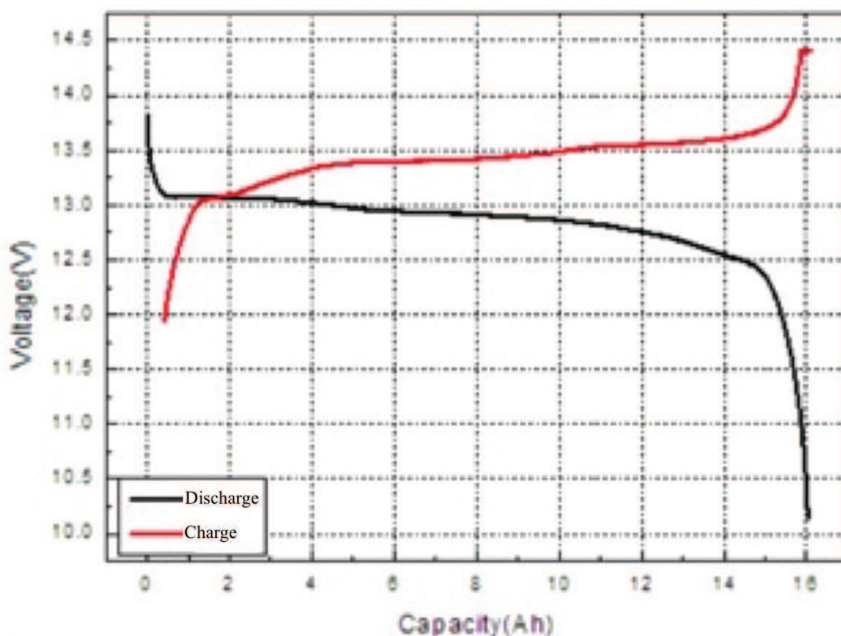
CYCLE LIFE

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

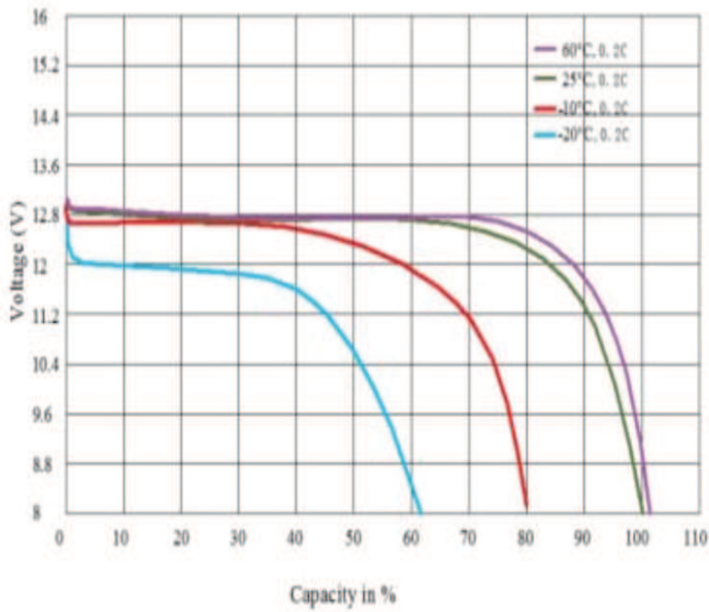
RBGT-16 LITHIUM ION BATTERY

12.8V16Ah Charge-Discharge C₅,25°C

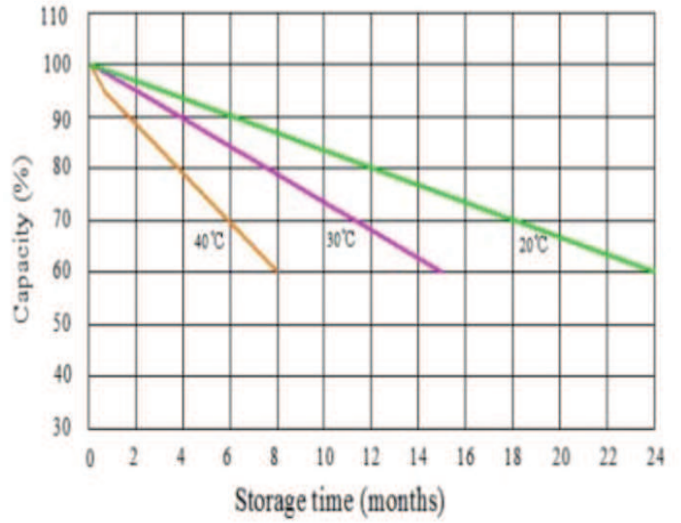


- Amp Hours: 16AH
- Voltage: 12.8V Nominal
- Peak Amps: < or equal to 25A (< or equal to 5 mins.)
- Life Expectancy: 1500 Cycles
- Weight (Battery Only): 4.62lbs. / 2.1kg
- Efficiency: 99%
- Max Continuous Charge: 5A
- Max Continuous Discharge: 16A
- Operating Temperature: -4 + 140F / -20 + 60 C
- Auto Low Voltage Cutoff: 8V
- Auto Over Voltage Cutoff: 15.2V
- Charge Voltage: CC/CV 14.6V / Float 13.8V
- Cell Type: Cylindrical LiFePO4

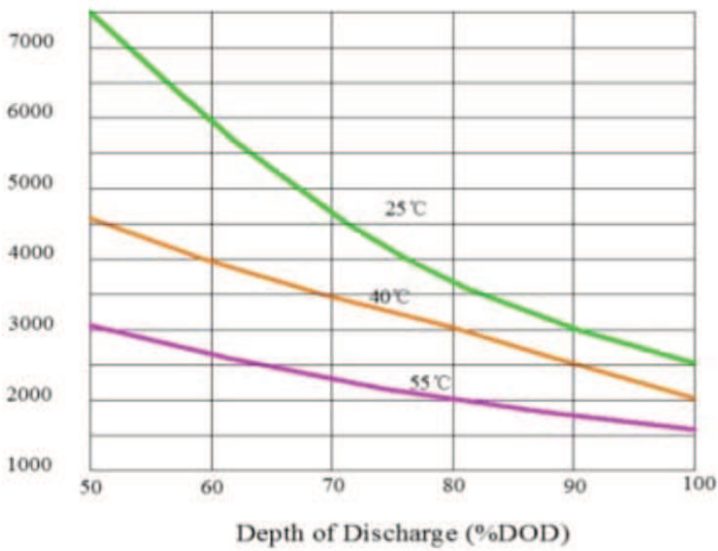
Dis charge curves under differents temperatures



Self-discharge characteristic



Cycle life versus DOD and temperature at 0.2C



0.2C CC-CV charge characteristic

