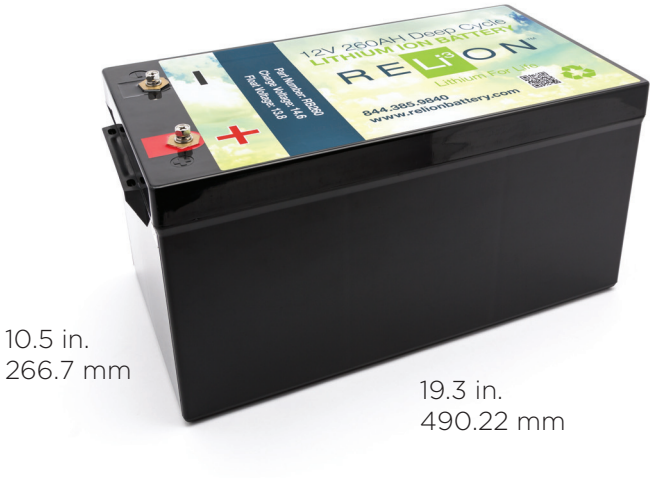
RELi3ON™

RB260 LITHIUM ION BATTERY

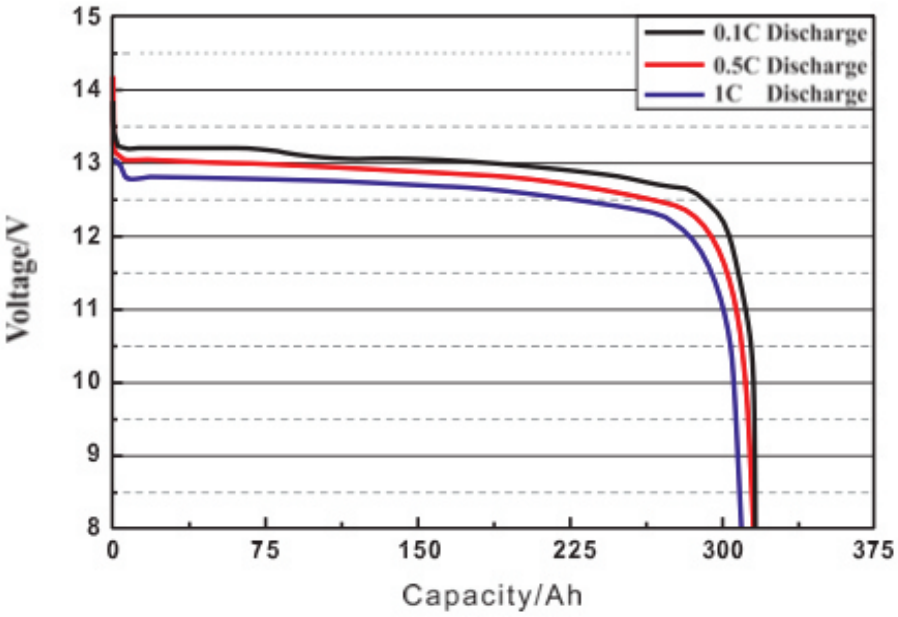


CYCLE LIFE

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 260AH LITHIUM ION BATTERY



Amp Hours: 260AH

Voltage: 12.8V Nominal

Peak Amps: 2600

Life Expectancy: 3000-5000 Cycles

Weight (Battery Only): 87lbs. / 37.7kg

Effiency: 99%

Minutes at 65A: 240

Max Continuous Charge: 100A

Max Continuous Discharge: 100A

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

Auto Low Voltage Cutoff: 8V

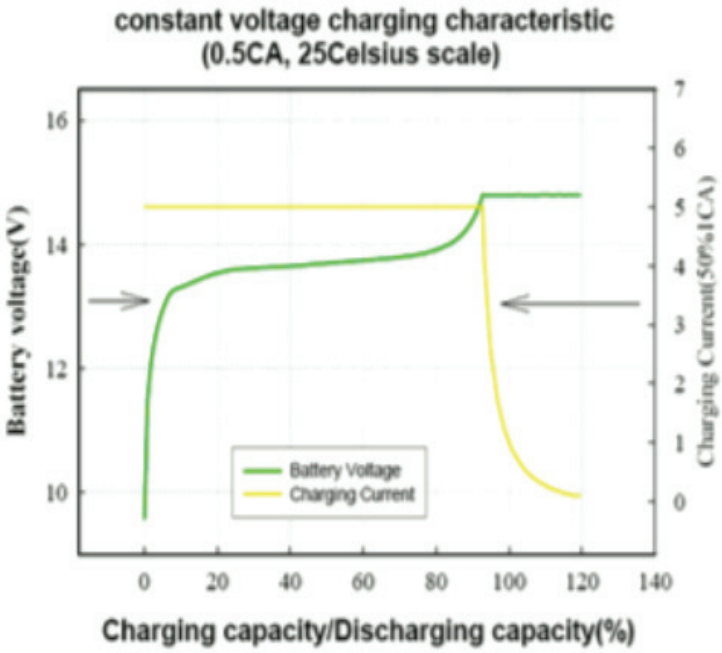
Auto Over Voltage Cutoff: 16V

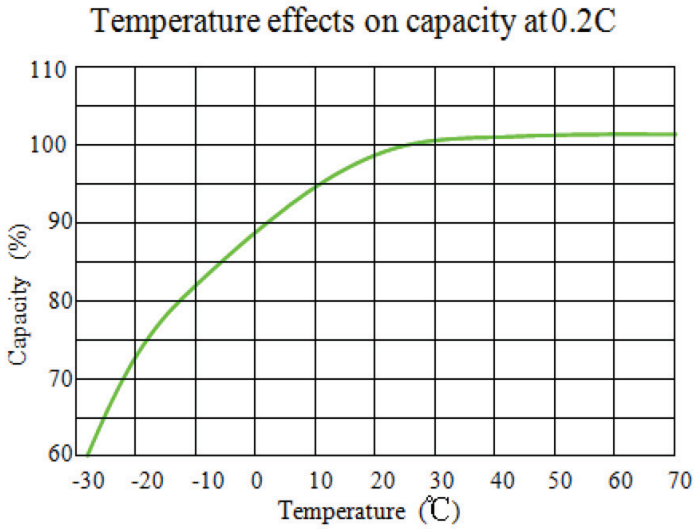
Charge Voltage: CC/CV 14.6V / Float 13.8V

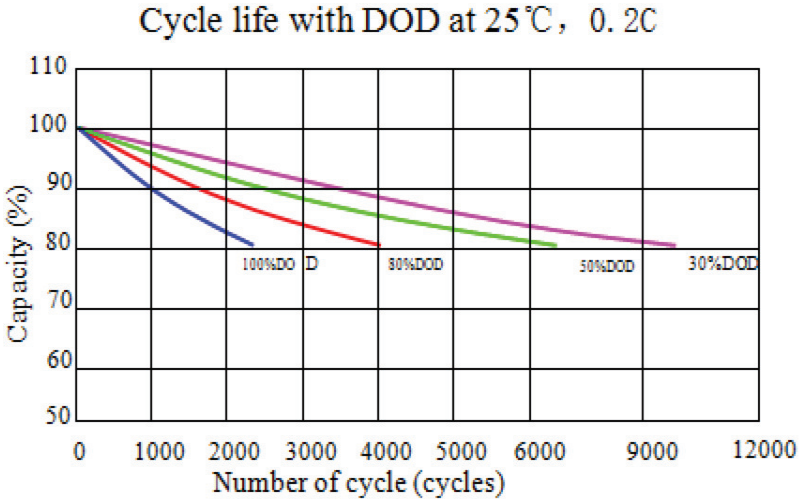
Max Series Connection: 4

Max Parallel Connection: 4

Cell Type: Cylindrical LiFePO4


constant voltage charging characteristic
(0.5CA, 25Celsius scale)
Battery voltage(V)
Charging Current(50%1CA)
Battery Voltage
Charging Current
Charging capacity/Discharging capacity(%)


Temperature effects on capacity at 0.2C
Capacity (%)
Temperature (℃)


Cycle life with DOD at 25℃, 0.2C
Capacity (%)
100%DOD
80%DOD
50%DOD
30%DOD
Number of cycle (cycles)