



3.75 in.
95 mm

2.5 in.
64 mm

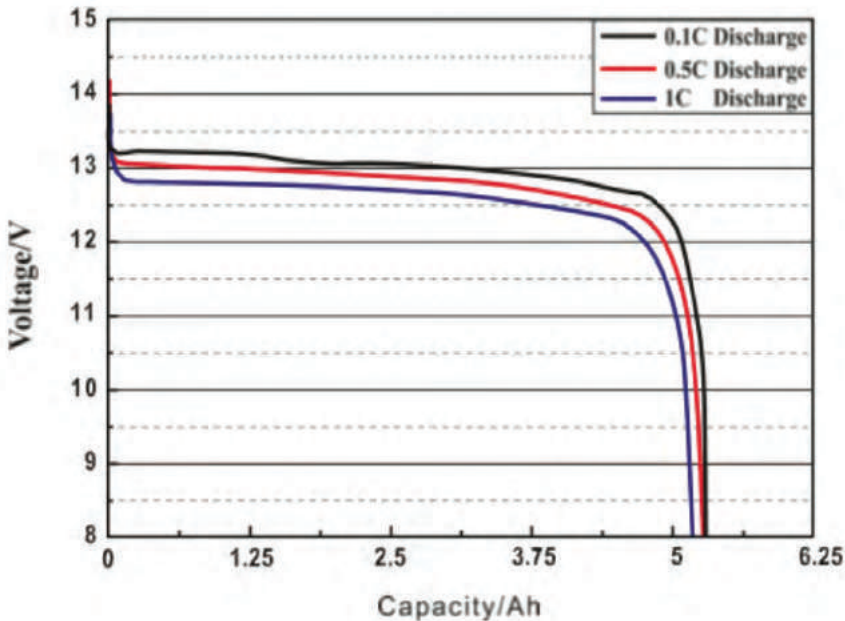
5.9 in.
150 mm

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 5AH LITHIUM ION BATTERY



Amp Hours: 5AH

Voltage: 12.8V Nominal

Peak Amps: 10 amps for 10 Seconds

Life Expectancy: 3000-5000 Cycles

Weight (Battery Only): 1.8lbs. / 0.82kg

Efficiency: 99%

Minutes at 5A: 60

Max Continuous Charge: 5A

Max Continuous Discharge: 5A

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

Auto Low Voltage Cutoff: 8V-10V

Auto Over Voltage Cutoff: 15.8V

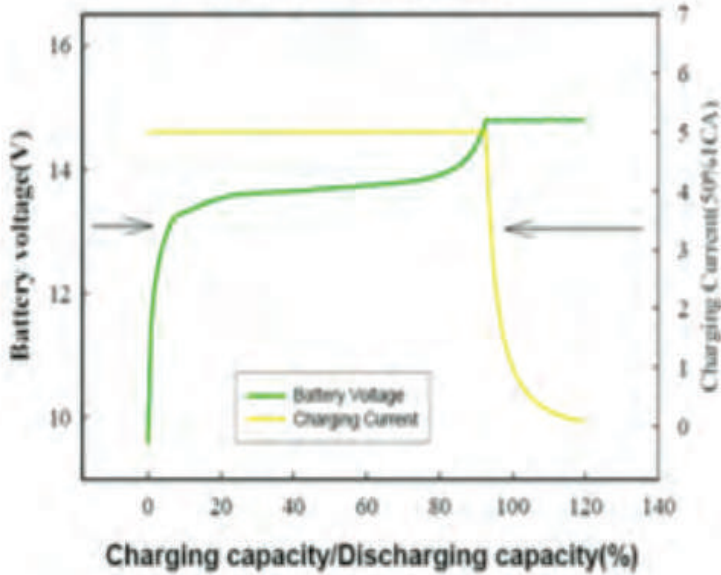
Charge Voltage: CC/CV 14.6V / Float 13.8V

Max Series Connection: 4

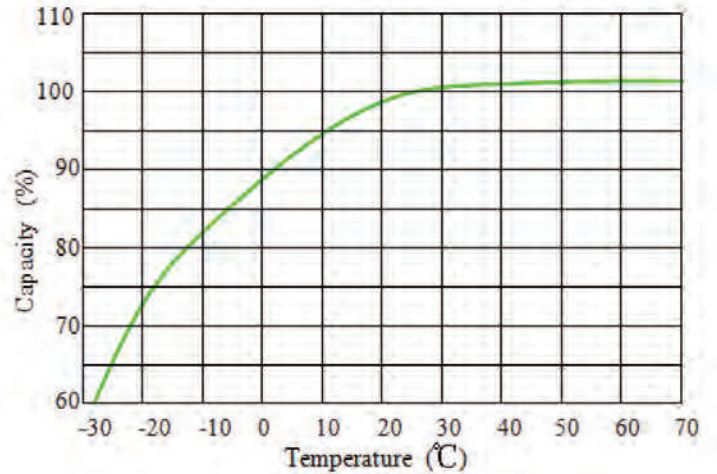
Max Parallel Connection: 4

Cell Type: Cylindrical LiFePO4

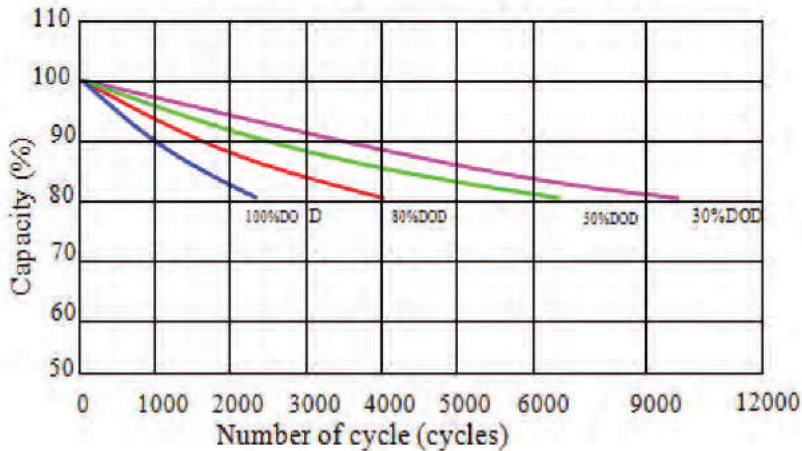
constant voltage charging characteristic
(0.5CA, 25Celsius scale)



Temperature effects on capacity at 0.2C



Cycle life with DOD at 25°C, 0.2C





3.8 in.
97 mm

3.9 in.
99 mm

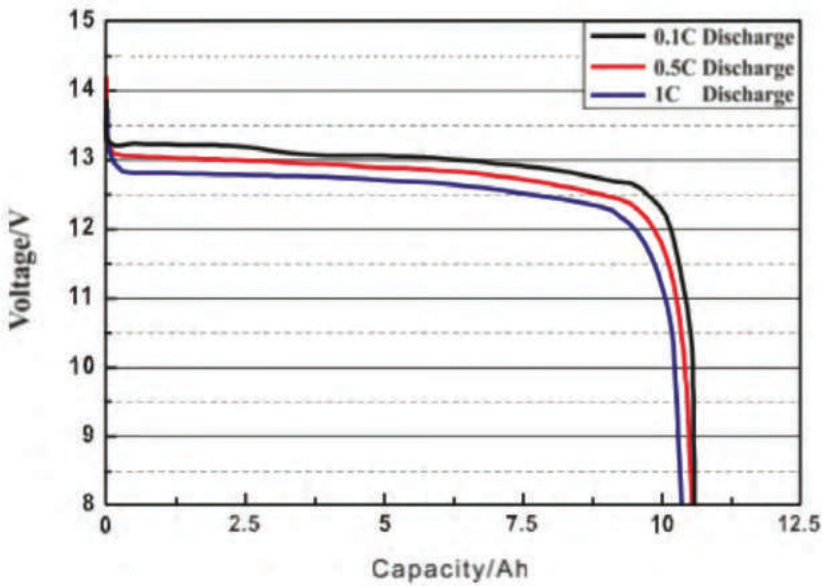
5.9 in.
150 mm

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 10AH LITHIUM ION BATTERY



Amp Hours: 10AH

Voltage: 12.8V Nominal

Peak Amps: 20 amps for 10 seconds

Life Expectancy: 3000-5000 Cycles

Weight (Battery Only): 3.95lbs. / 1.79kg

Efficiency: 99%

Minutes at 10A: 60

Max Continuous Charge: 10A

Max Continuous Discharge: 10A

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

Auto Low Voltage Cutoff: 8V - 10V

Auto Over Voltage Cutoff: 15.8V

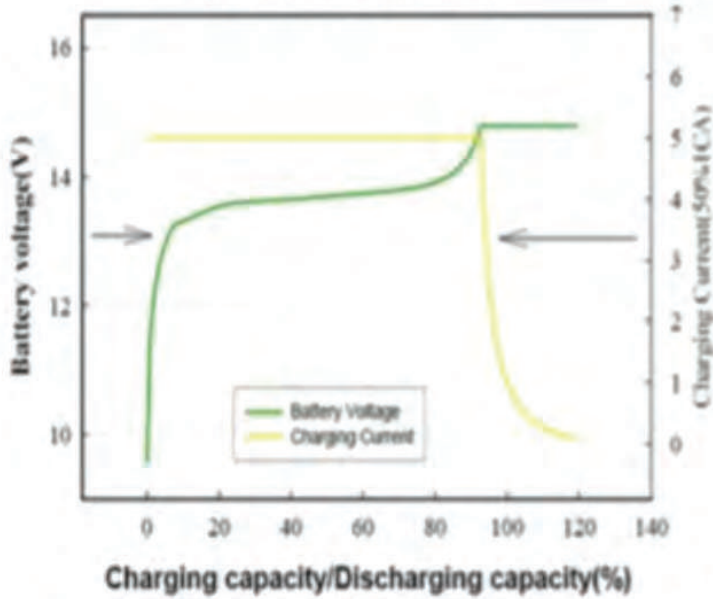
Charge Voltage: CC/CV 14.6V / Float 13.8V

Max Series Connection: 4

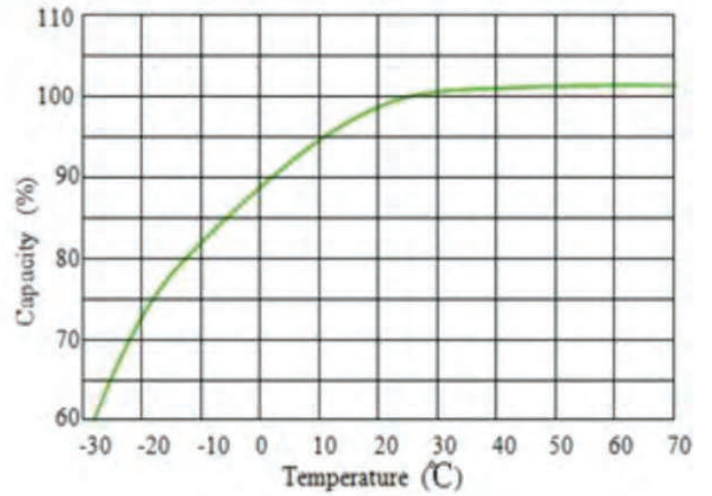
Max Parallel Connection: 4

Cell Type: Cylindrical LiFePO4

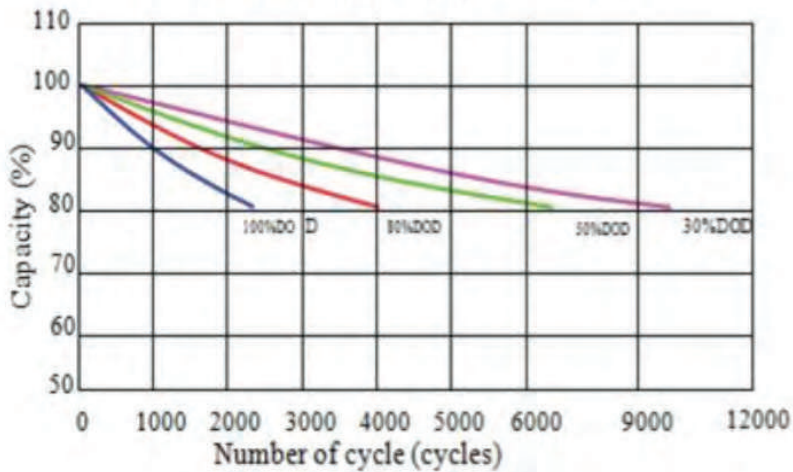
constant voltage charging characteristic
(0.5CA, 25Celsius scale)



Temperature effects on capacity at 0.2C



Cycle life with DOD at 25°C, 0.2C



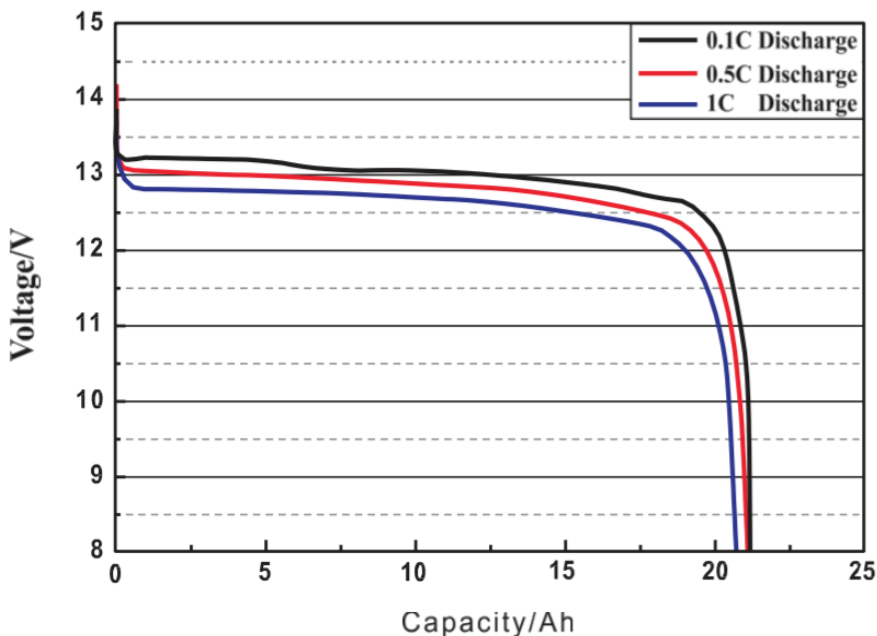


CYCLE LIFE

CAPACITY AT DIFFERENT CYCLES AT 100% DOD

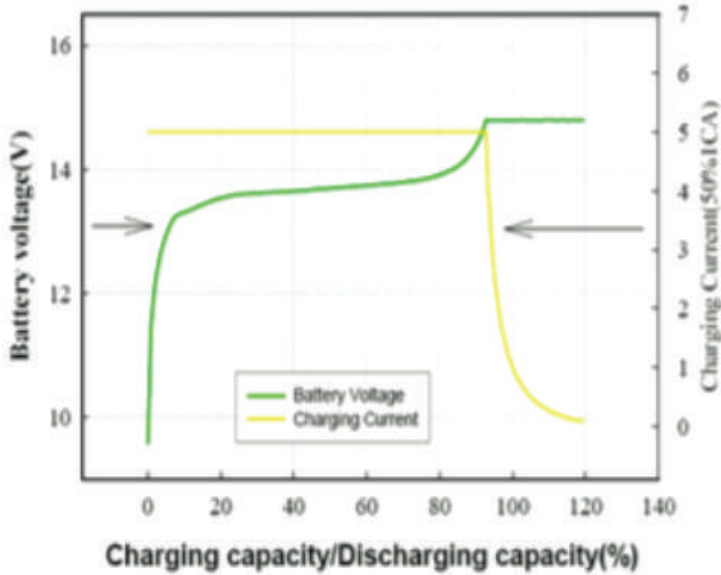
100 cycles	99.7
500 cycles	96.3
1000 cycles	90.8
1500 cycles	85.4
2000 cycles	80.1

12V 20AH LITHIUM ION BATTERY

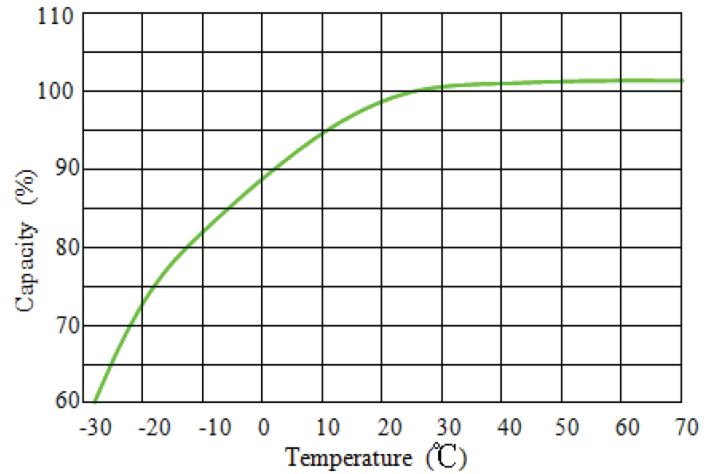


- Amp Hours: 20AH
- Voltage: 12.8V Nominal
- Peak Amps: 40 amps for 10 seconds
- Life Expectancy: 3000-5000 Cycles
- Weight (Battery Only): 7.05lbs. / 3.2kg
- Efficiency: 99%
- Minutes at 20A: 60
- Max Continuous Charge: 20A
- Max Continuous Discharge: 20A
- Operating Temperature: -4 + 158 F / -20 + 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

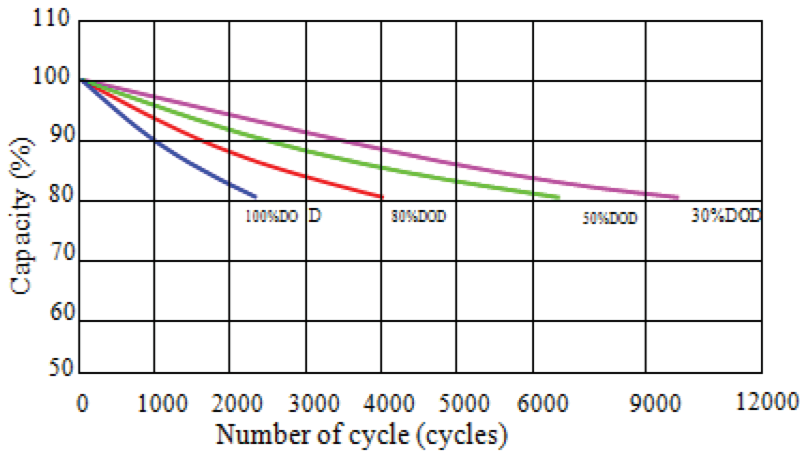
constant voltage charging characteristic
(0.5CA, 25Celsius scale)



Temperature effects on capacity at 0.2C



Cycle life with DOD at 25°C, 0.2C





5.16 in.
131 mm

6.11 in.
155 mm

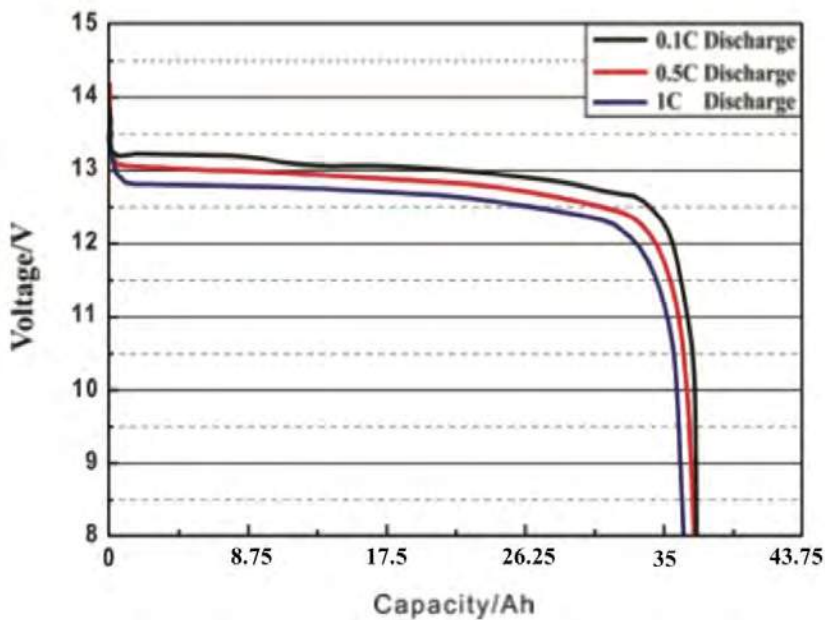
7.72 in.
196 mm

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 35AH LITHIUM ION BATTERY



Amp Hours: 35AH

Voltage: 12.8V Nominal

Peak Amps: 70 amps for 10 seconds

Life Expectancy: 3000-5000 Cycles

Weight (Battery only): 9.9lbs. / 4.5kg

Efficiency: 99%

Minutes at 35A: 60

Max Continuous Charge: 35A

Max Continuous Discharge: 35A

Operating Temperature: -4 + 158 F / -20 + 65 C

Auto Low Voltage Cutoff: 8V - 10V

Auto Over Voltage Cutoff: 15.8V

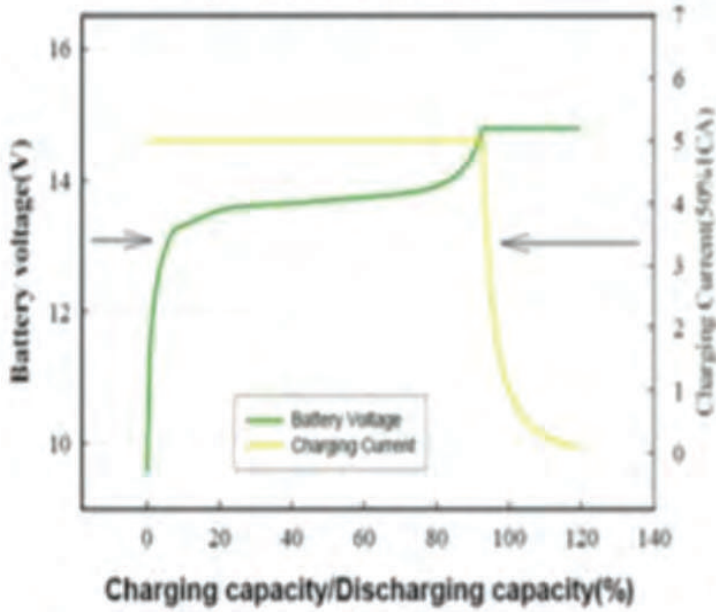
Charge Voltage: CC/CV 14.6V / Float 13.8V

Max Series Connection: 4

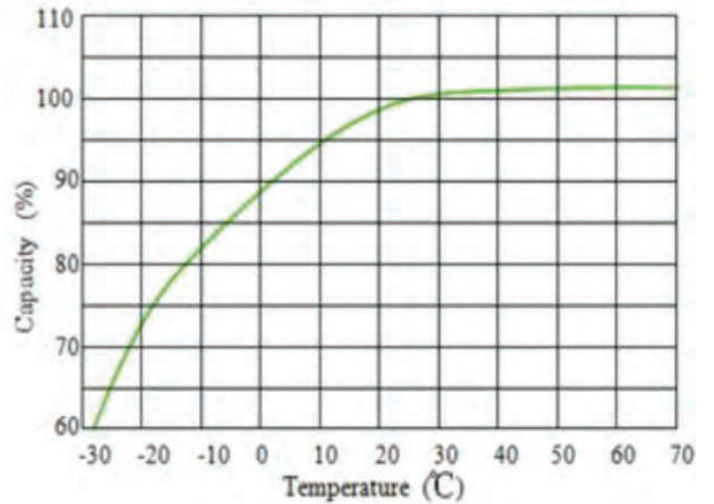
Max Parallel Connection: 4

Cell Type: Cylindrical LiFePO4

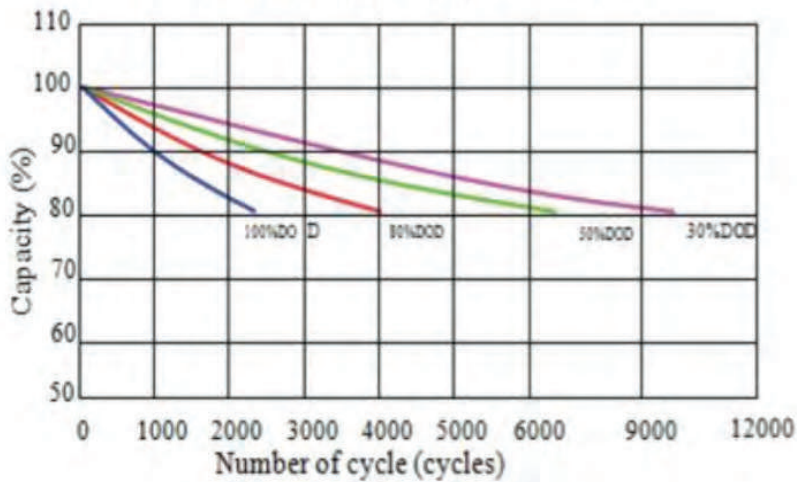
constant voltage charging characteristic
(0.5CA, 25Celsius scale)



Temperature effects on capacity at 0.2C



Cycle life with DOD at 25°C, 0.2C



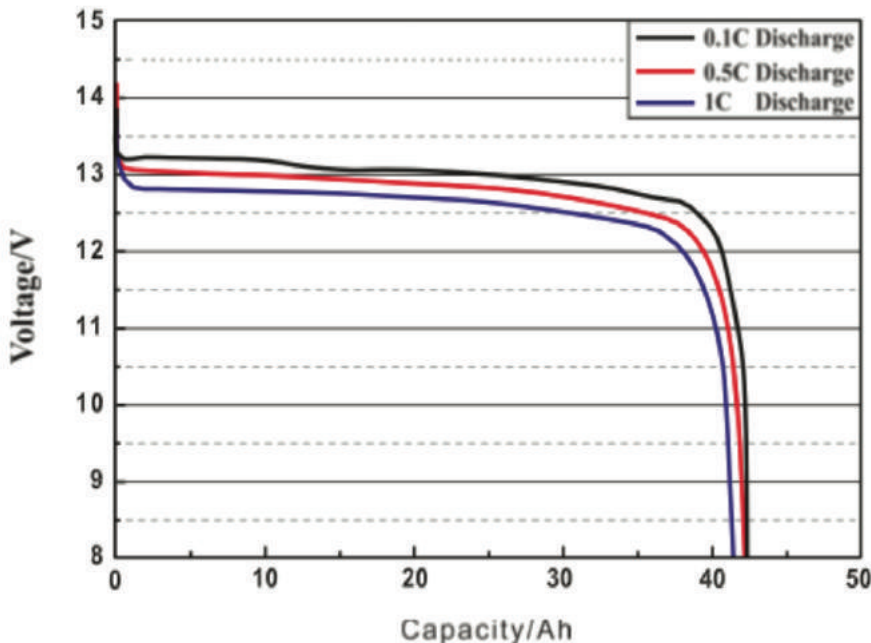


CYCLE LIFE

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: 80 amps for 10 seconds

Life Expectancy: 3000-5000 Cycles

Weight (Battery Only): 14.33lbs. / 6.5kg

Efficiency: 99%

Minutes at 40A: 60

Max Continuous Charge: 40A

Max Continuous Discharge: 40A

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

Auto Low Voltage Cutoff: 8V - 10V

Auto Over Voltage Cutoff: 15.8V

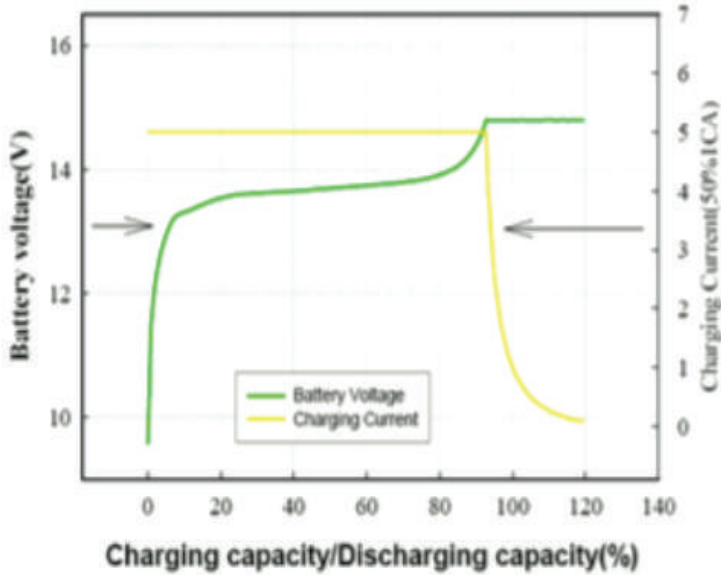
Charge Voltage: CC/CV 14.6V / Float 13.8V

Max Series Connection: 4

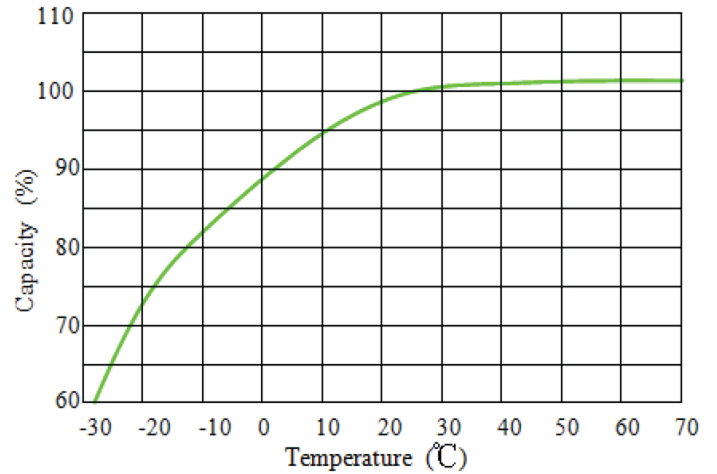
Max Parallel Connection: 4

Cell Type: Cylindrical LiFePO₄

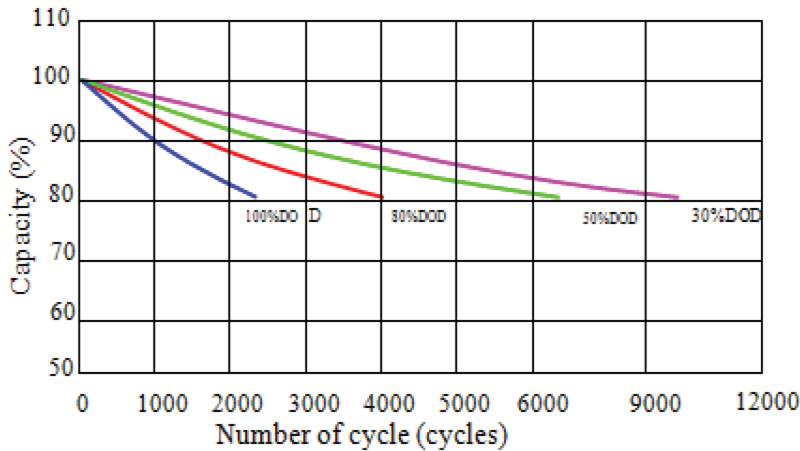
constant voltage charging characteristic
(0.5CA, 25Celsius scale)



Temperature effects on capacity at 0.2C



Cycle life with DOD at 25°C, 0.2C





6.54 in.
166 mm

6.73 in.
171 mm

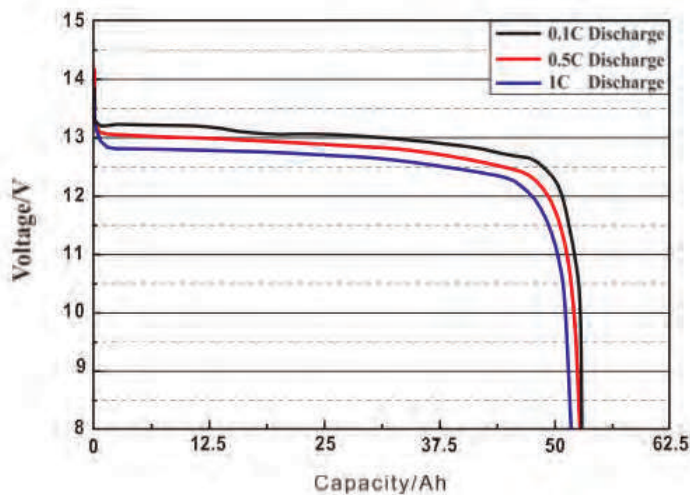
7.83 in.
199 mm

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 amps for 3-5 seconds

Life Expectancy: 3000-5000 Cycles

Weight (Battery Only): 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 - 10V

Auto Over Voltage Cutoff: 15.8V

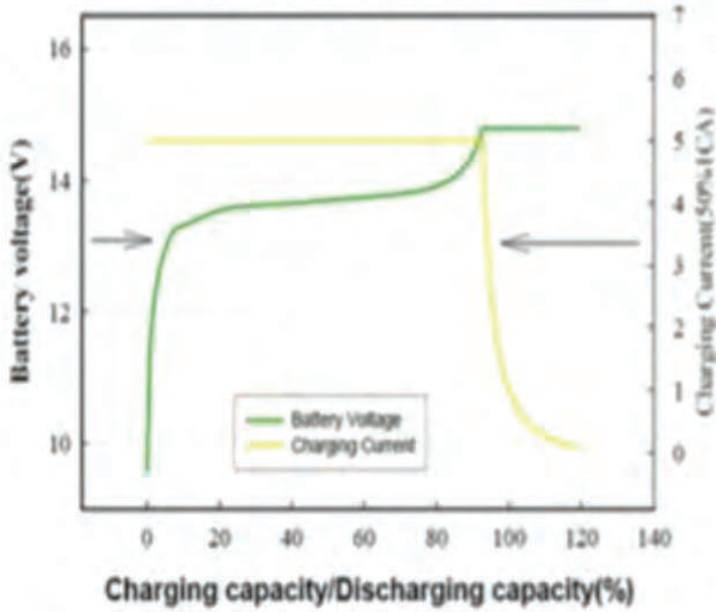
Charge Voltage: CC/CV 14.6V / Float 13.8V

Max Series Connection: 4

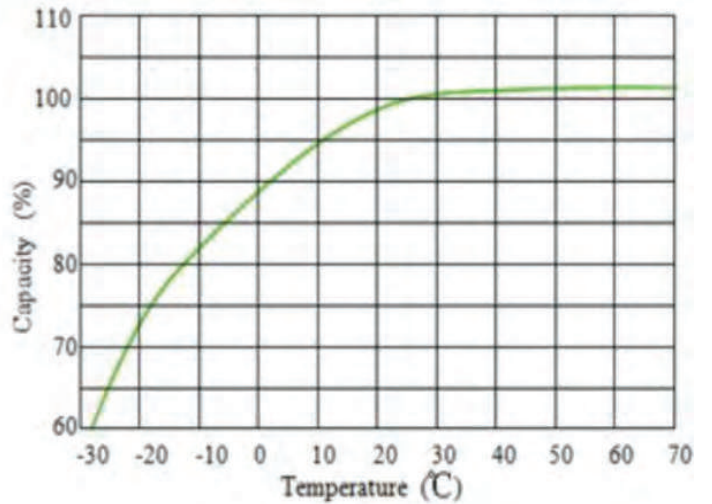
Max Parallel Connection: 4

Cell Type: Cylindrical LiFePO4

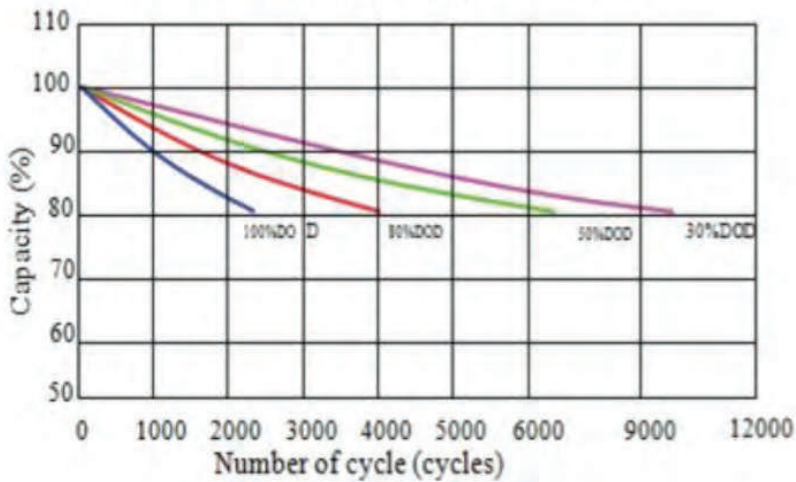
constant voltage charging characteristic
(0.5CA, 25Celsius scale)



Temperature effects on capacity at 0.2C



Cycle life with DOD at 25°C, 0.2C





6.62 in.
168 mm

8.62 in.
220 mm

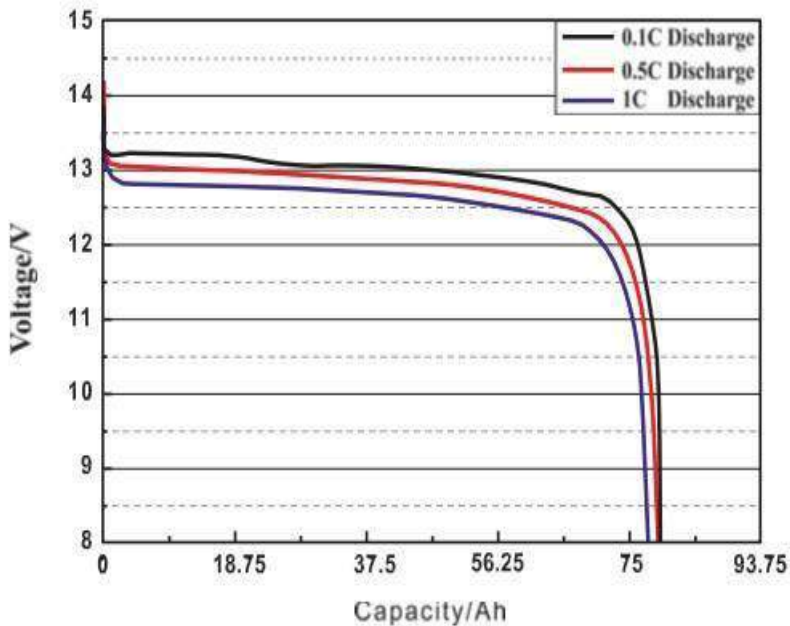
10.25 in.
261 mm

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

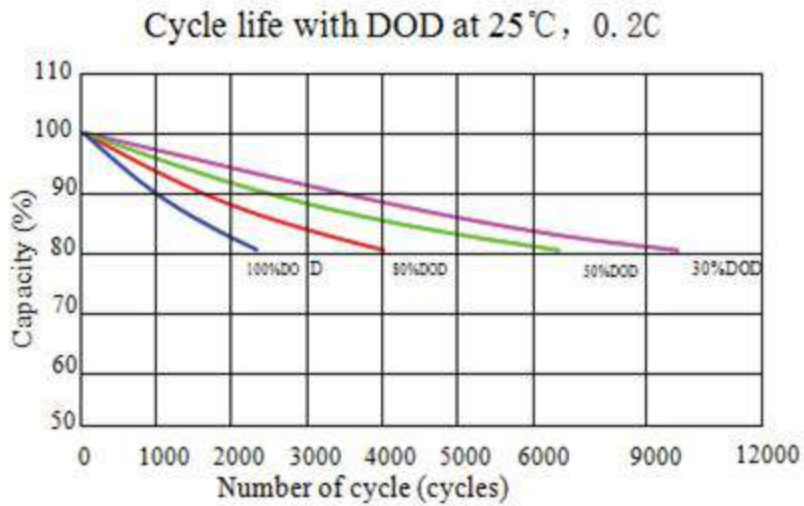
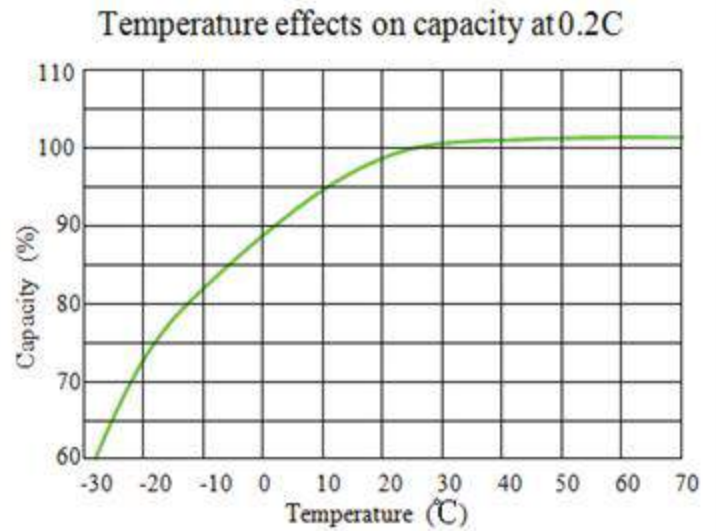
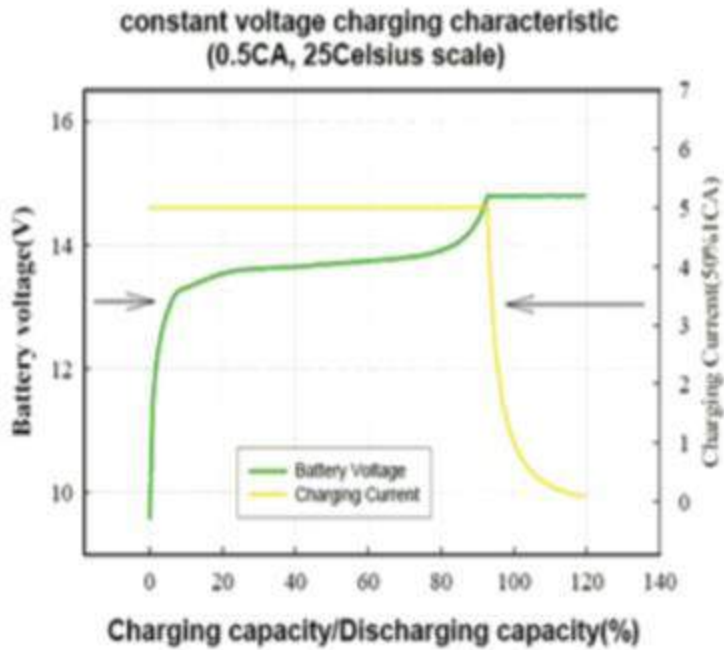
Auto Over Voltage Cutoff: 15.8V

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

Max Series Connection: 4

Max Parallel Connection: 4

Cell Type: Cylindrical LiFePO4





Width
6.9 in.
175 mm

Height
7.5 in.
191 mm

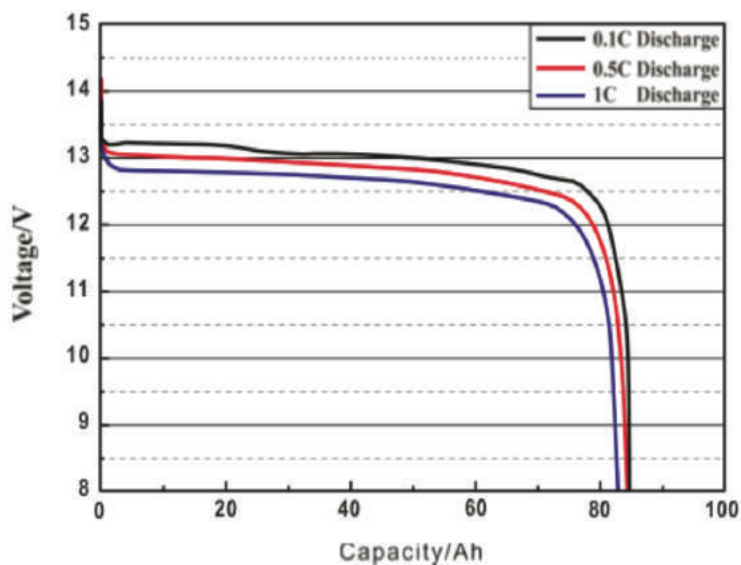
Length 13.2 in.
335 mm

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 80AH DIN LITHIUM ION BATTERY



Amp Hours: 80AH

Voltage: 12.8V Nominal

Peak Amps: 240 amps for 3 seconds

Life Expectancy: 3000-5000 Cycles

Weight (Battery only): 25.6lbs. / 11.6kg

Efficiency: 99%

Minutes at 20A: 240

Max Continuous Charge: 1C = 80A

Max Continuous Discharge: 1C = 80A

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

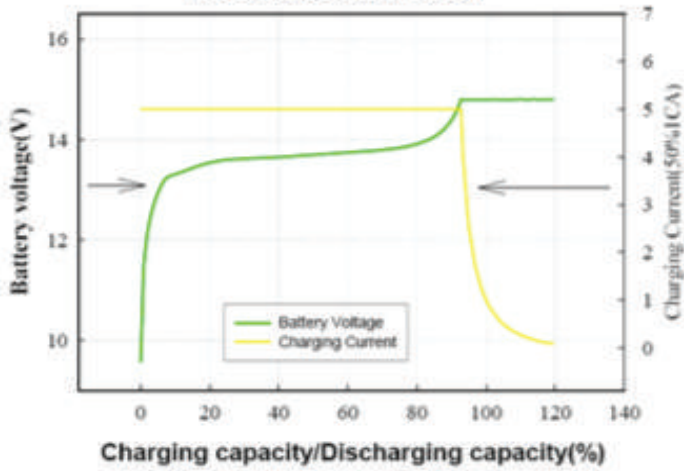
Auto Low Voltage Cutoff: 8V - 10V

Auto Over Voltage Cutoff: 15.8V

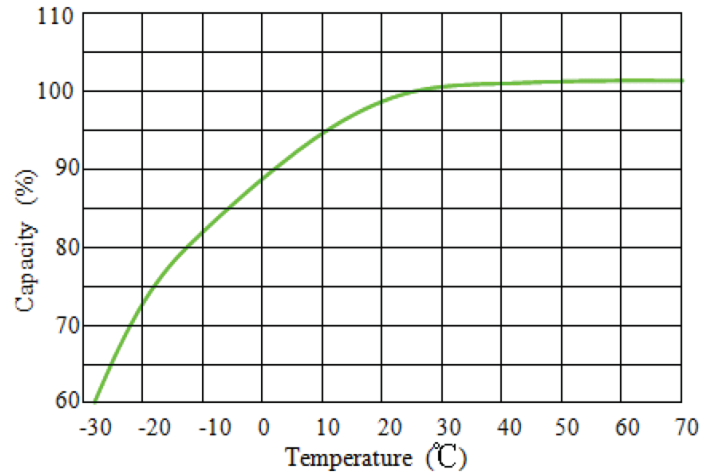
Charge Voltage: CC/CV 14.6V / Float 13.8V

Cell Type: Cylindrical LiFePO4

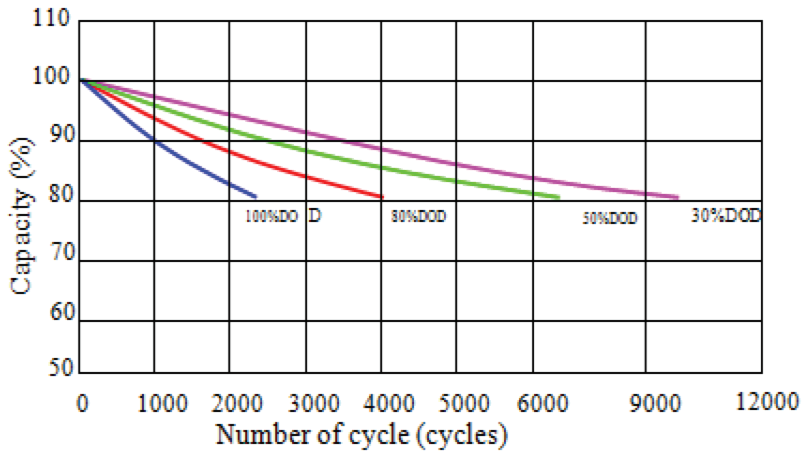
constant voltage charging characteristic
(0.5CA, 25Celsius scale)



Temperature effects on capacity at 0.2C



Cycle life with DOD at 25°C, 0.2C





6.77 in.
172 mm

12.13 in.
308 mm

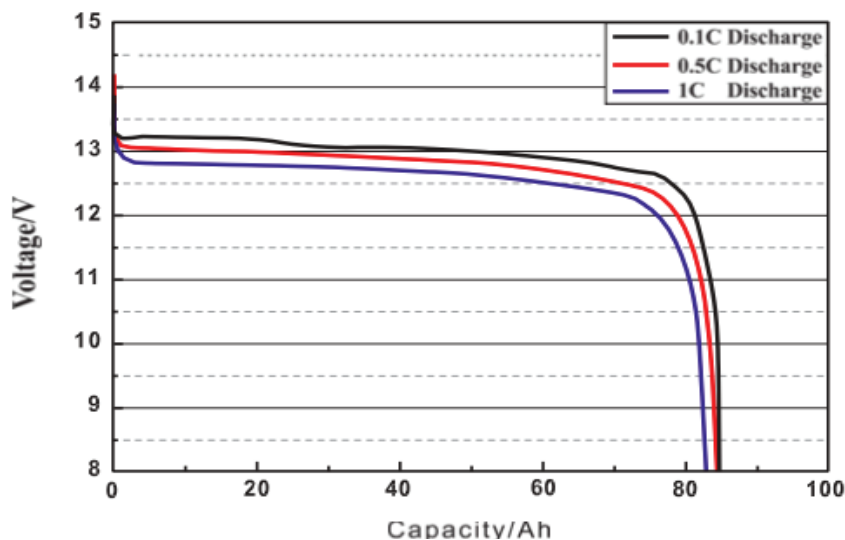
8.7 in.
221 mm

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 80AH LITHIUM ION BATTERY



Amp Hours: 80AH

Voltage: 12.8V Nominal

Peak Amps: 800 amps for 3-5 seconds

Life Expectancy: 3000-5000 Cycles

Weight (Battery only): 28lbs. / 12.7kg

Efficiency: 99%

Minutes at 20A: 240

Max Continuous Charge: 1C = 80A

Max Continuous Discharge: 1C = 80A

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

Auto Low Voltage Cutoff: 8V - 10V

Auto Over Voltage Cutoff: 15.8V

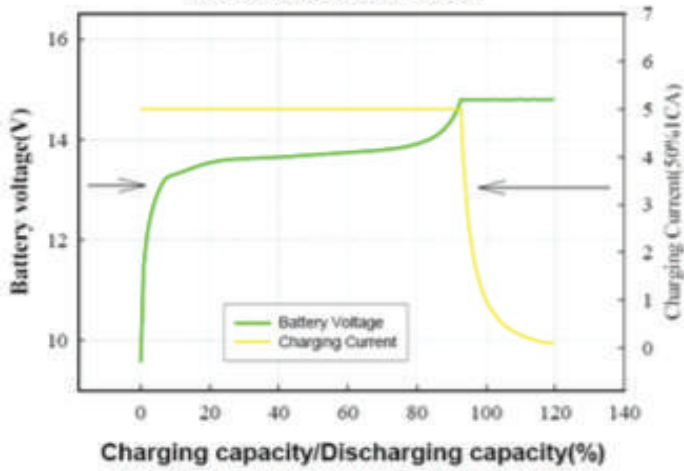
Charge Voltage: CC/CV 14.6V / Float 13.8V

Max Series Connection: 4

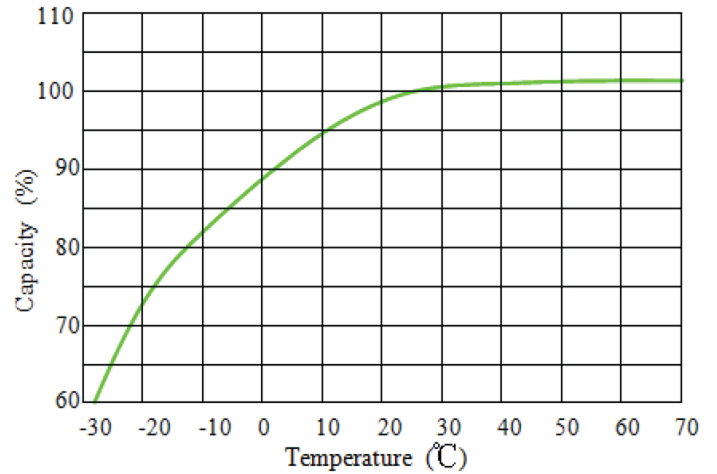
Max Parallel Connection: 4

Cell Type: Cylindrical LiFePO4

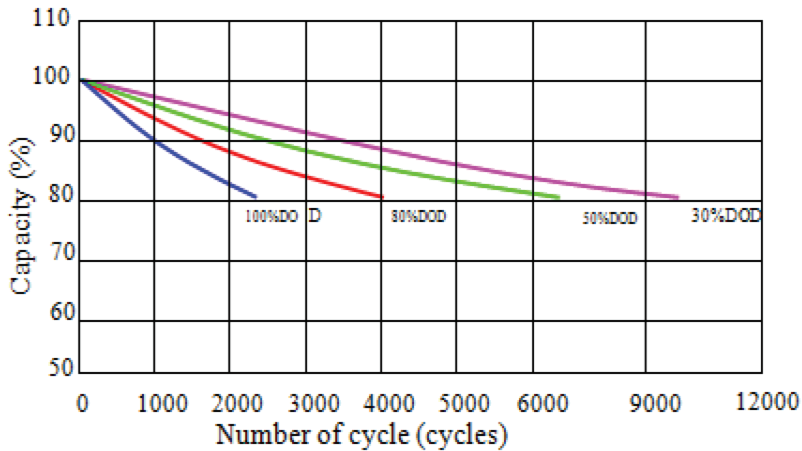
constant voltage charging characteristic
(0.5CA, 25Celsius scale)



Temperature effects on capacity at 0.2C



Cycle life with DOD at 25°C, 0.2C





Width 6.9 in.
175 mm

Height 7.5 in.
191 mm

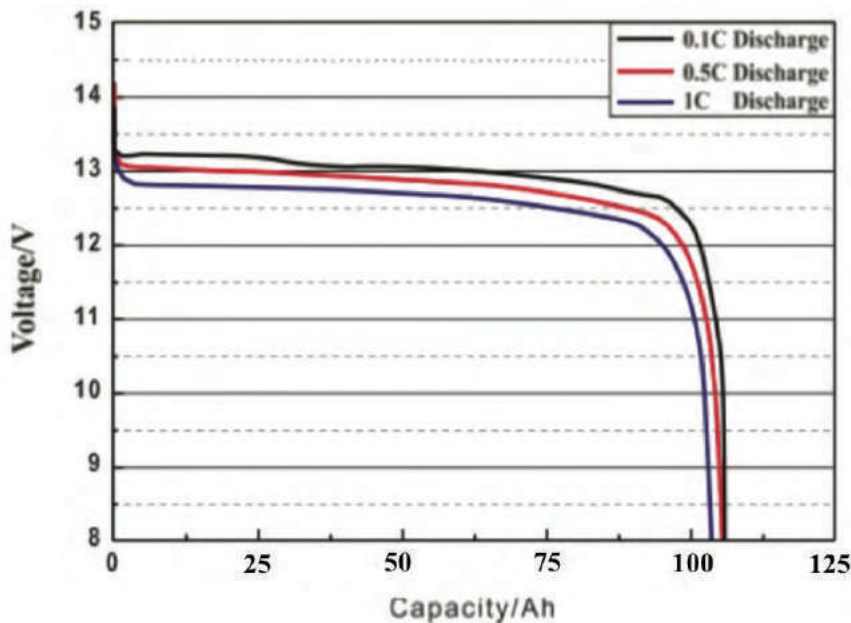
Length 13.2 in.
335 mm

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 100AH DIN LITHIUM ION BATTERY



Amp Hours: 100AH

Voltage: 12.8V Nominal

Peak Amps: 300 amps for 3 seconds

Life Expectancy: 3000-5000 Cycles

Weight (Battery only): 29.3lbs. / 13.3kg

Efficiency: 99%

Minutes at 20A: 300

Max Continuous Charge: 1C = 100A

Max Continuous Discharge: 1C = 100A

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

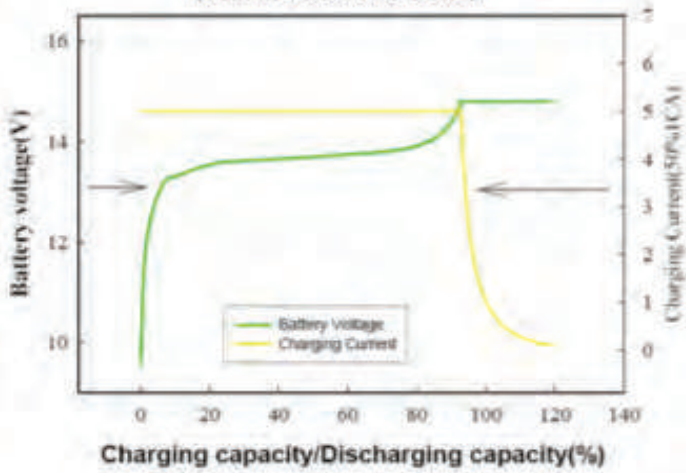
C Auto Low Voltage Cutoff: 8V - 10V

Auto Over Voltage Cutoff: 15.8V

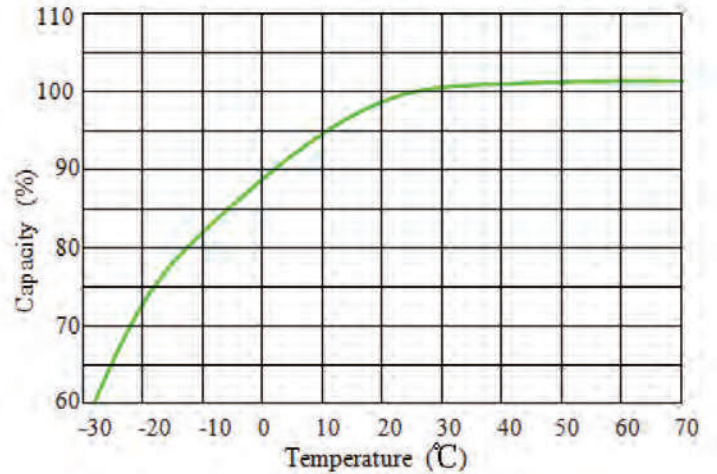
Charge Voltage: CC/CV 14.6V / Float 13.8V

Cell Type: Cylindrical LiFePO4

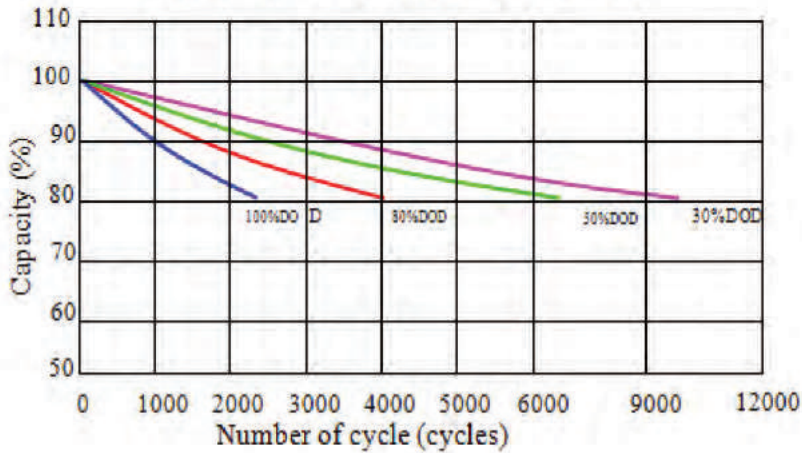
constant voltage charging characteristic
(0.5CA, 25Celsius scale)



Temperature effects on capacity at 0.2C



Cycle life with DOD at 25°C, 0.2C



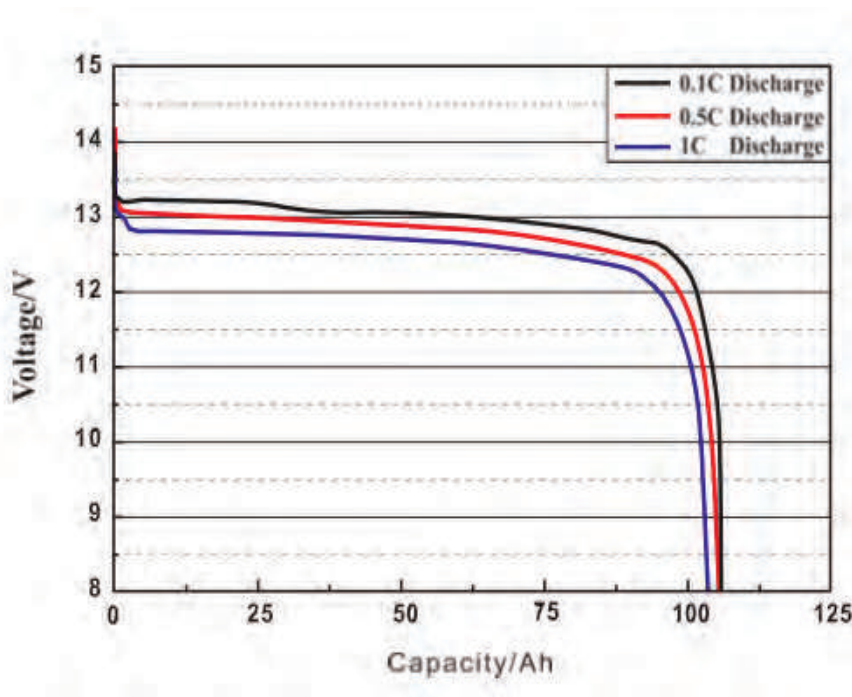


CYCLE LIFE

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 100AH LITHIUM ION BATTERY



Amp Hours: 100AH

Voltage: 12.8V Nominal

Peak Amps: 1000 amps for 3-5 seconds

Life Expectancy: 3000-5000 Cycles

Weight (Battery Only): 32lbs. / 14.5kg

Efficiency: 99%

Minutes at 20A: 300

Max Continuous Charge: 1C = 100A

Max Continuous Discharge: 1C = 100A

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

Auto Low Voltage Cutoff: 8V - 10V

Auto Over Voltage Cutoff: 15.8V

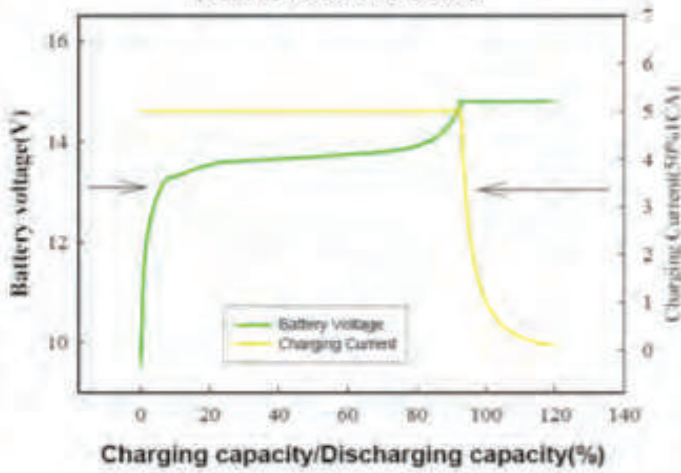
Charge Voltage: CC/CV 14.6V / Float 13.8V

Max Series Connection: 4

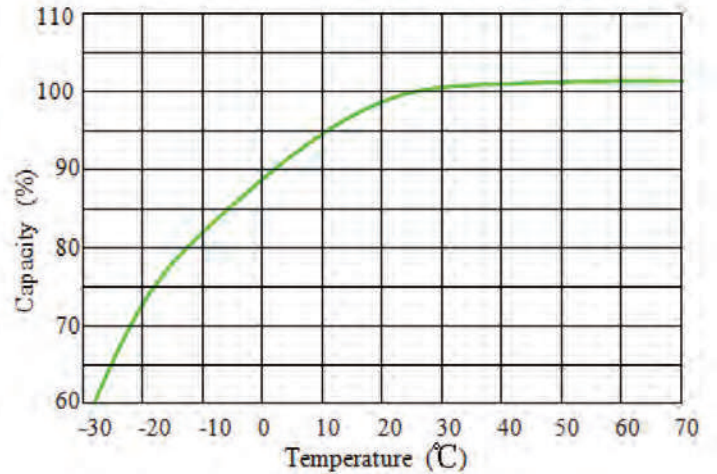
Max Parallel Connection: 4

Cell Type: Cylindrical LiFePO4

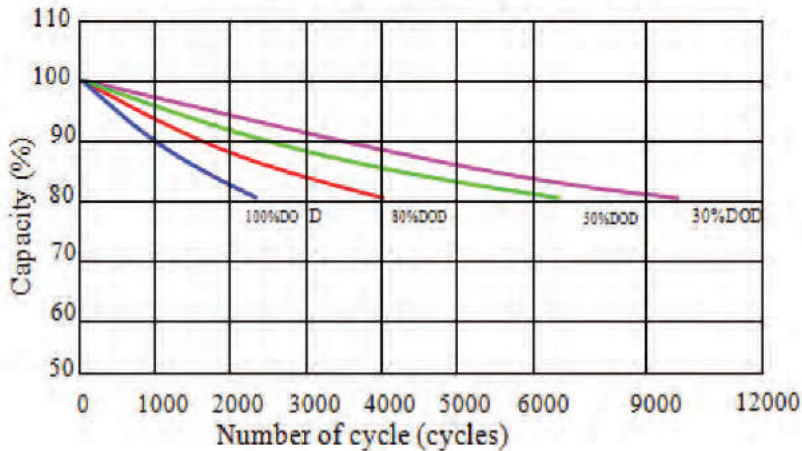
constant voltage charging characteristic
(0.5CA, 25Celsius scale)



Temperature effects on capacity at 0.2C



Cycle life with DOD at 25°C, 0.2C





6.5 in.
165 mm

12.52 in.
318 mm

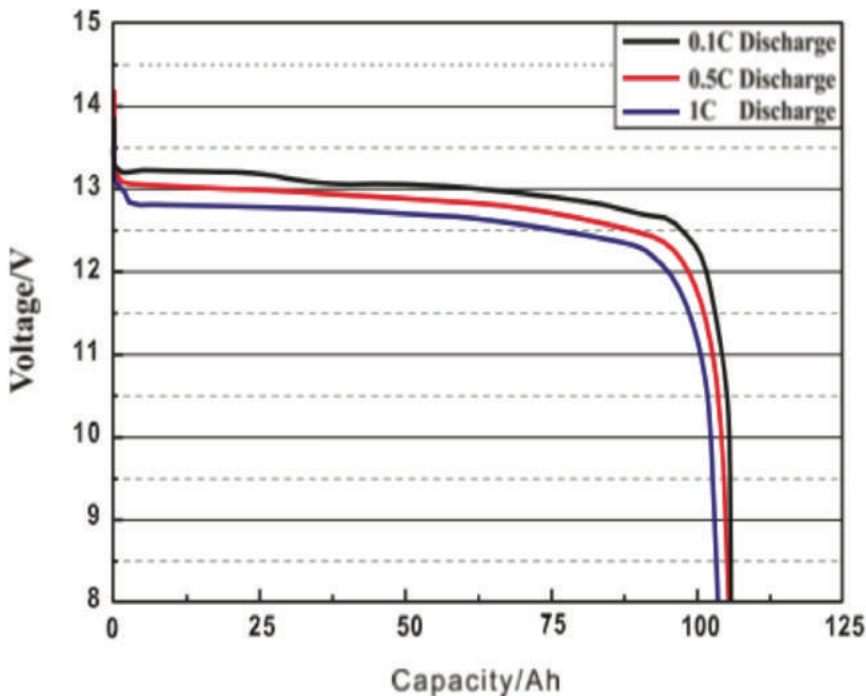
8.47 in.
215 mm

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 100AH SC LITHIUM ION BATTERY



Amp Hours: 100AH

Voltage: 12.8V Nominal

Peak Amps: 350 amps for 3 seconds

Life Expectancy: 3000-5000 Cycles

Weight (Battery only): 28lbs. / 12.7kg

Efficiency: 99%

Minutes at 25A: 240

Max Continuous Charge: .6C = 60A

Max Continuous Discharge: .8C = 80A

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

Auto Low Voltage Cutoff: 8V - 10V

Auto Over Voltage Cutoff: 15.8V

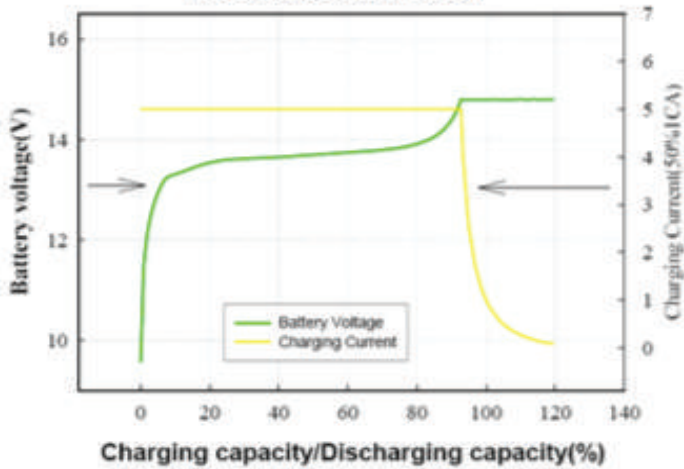
Charge Voltage: CC/CV 14.6V / Float 13.8V

Max Series Connection: 4

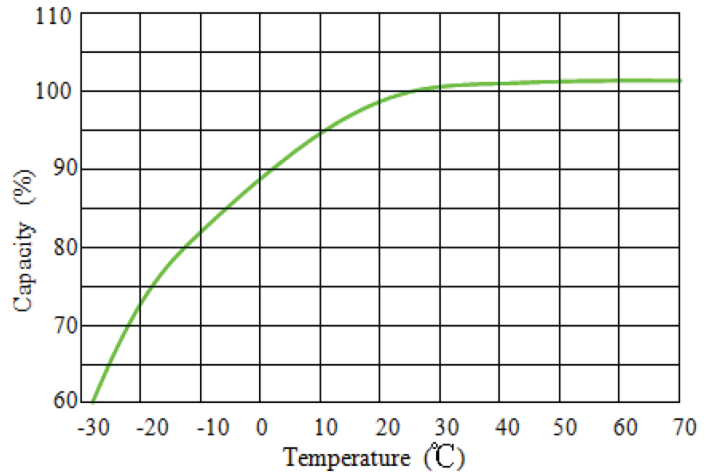
Max Parallel Connection: 4

Cell Type: Prismatic LiFePO4

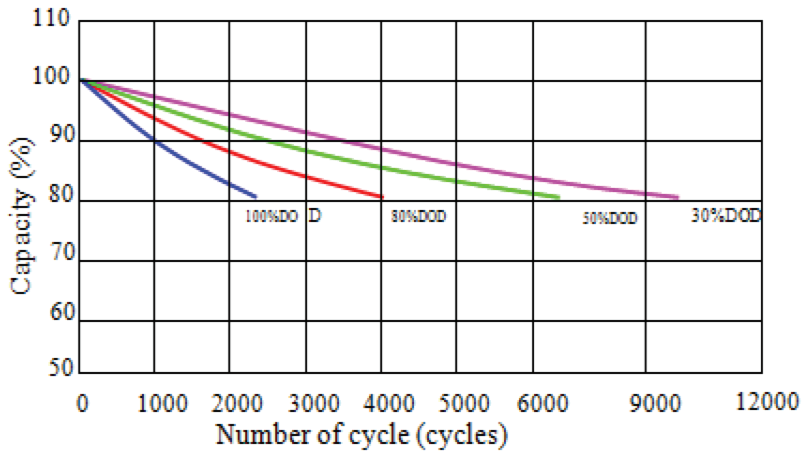
constant voltage charging characteristic
(0.5CA, 25Celsius scale)



Temperature effects on capacity at 0.2C



Cycle life with DOD at 25°C, 0.2C





10.5 in.
266 mm

19.3 in.
490 mm

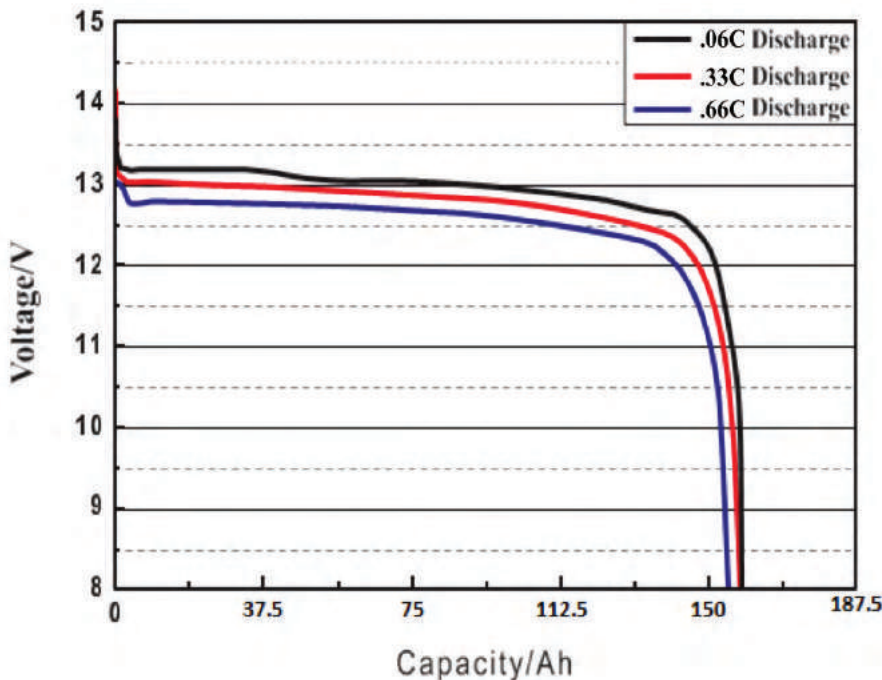
9.0 in.
228 mm

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 150AH LITHIUM ION BATTERY



Amp Hours: 150AH

Voltage: 12.8V Nominal

Peak Amps: 1000 amps for 3-5 seconds

Life Expectancy: 3000-5000 Cycles

Weight (Battery Only): 60lbs. / 27.2kg

Efficiency: 99%

Minutes at 20A: 450

Max Continuous Charge: .66C = 100A

Max Continuous Discharge: .66C = 100A

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

Auto Low Voltage Cutoff: 8V - 10V

Auto Over Voltage Cutoff: 15.8V

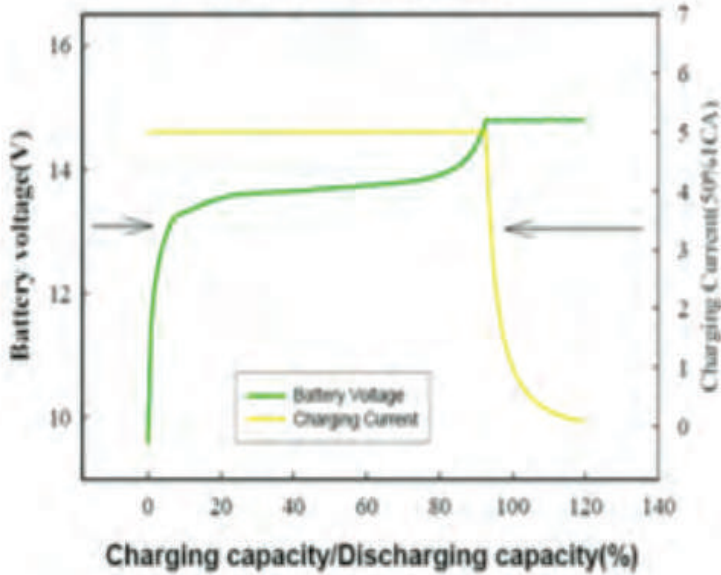
Charge Voltage: CC/CV 14.6V / Float 13.8V

Max Series Connection: 4

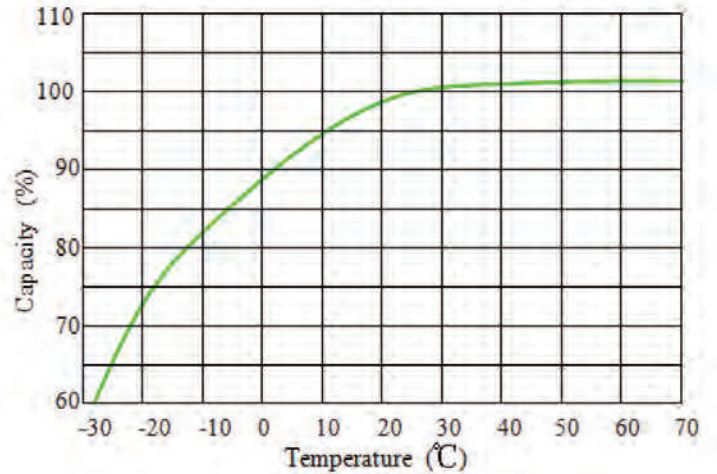
Max Parallel Connection: 4

Cell Type: Cylindrical LiFePO4

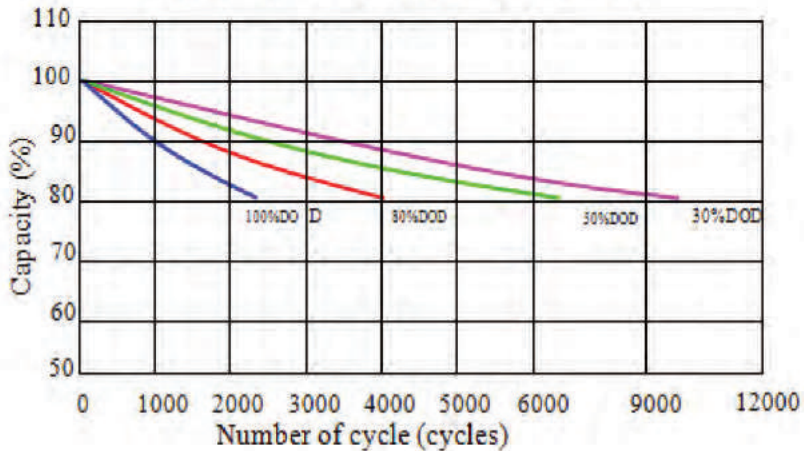
constant voltage charging characteristic
(0.5CA, 25Celsius scale)



Temperature effects on capacity at 0.2C



Cycle life with DOD at 25°C, 0.2C





10.5 in.
267 mm

9.0 in.
229 mm

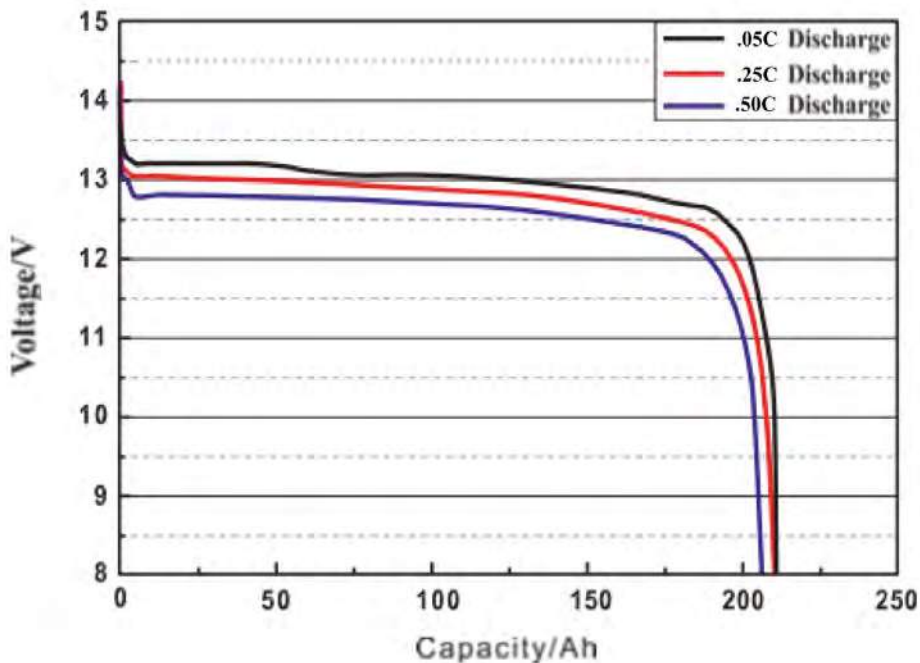
19.3 in.
490 mm

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 200AH LITHIUM ION BATTERY



Amp Hours: 200AH

Voltage: 12.8V Nominal

Peak Amps: 1000 amps for 3-5 seconds

Life Expectancy: 3000-5000 Cycles

Weight (Battery Only): 72lbs. / 32.6kg

Efficiency: 99%

Minutes at 50A: 240

Max Continuous Charge: .5C = 100A

Max Continuous Discharge: .5C = 100A

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

Auto Low Voltage Cutoff: 8V - 10V

Auto Over Voltage Cutoff: 15.8V

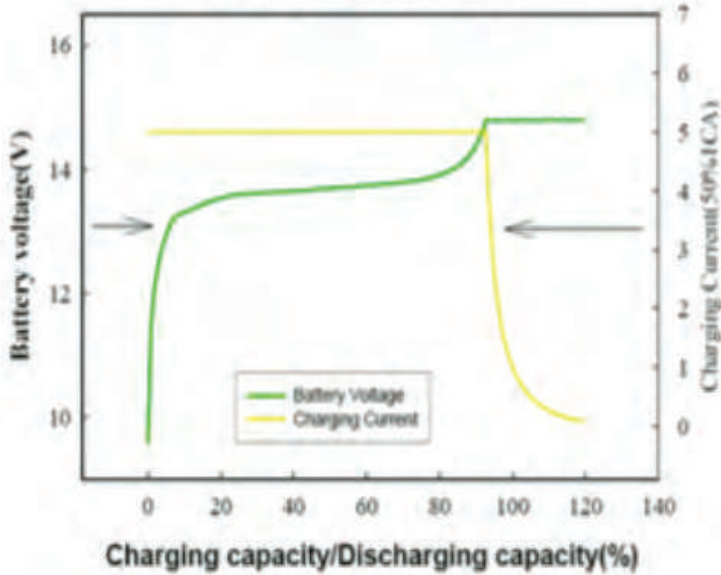
Charge Voltage: CC/CV 14.6V / Float 13.8V

Max Series Connection: 4

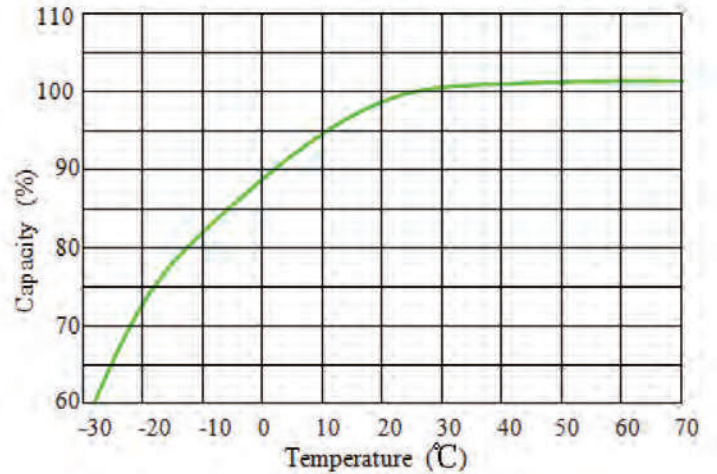
Max Parallel Connection: 4

Cell Type: Cylindrical LiFePO4

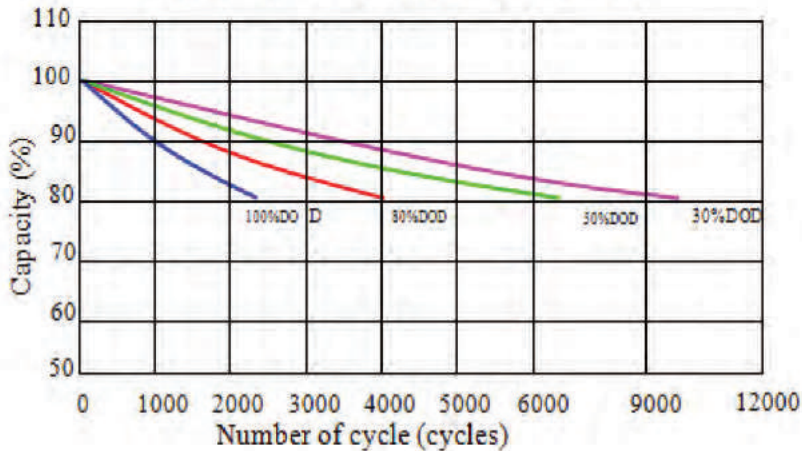
constant voltage charging characteristic
(0.5CA, 25Celsius scale)



Temperature effects on capacity at 0.2C



Cycle life with DOD at 25°C, 0.2C





9.0 in.
228 mm

10.5 in.
266 mm

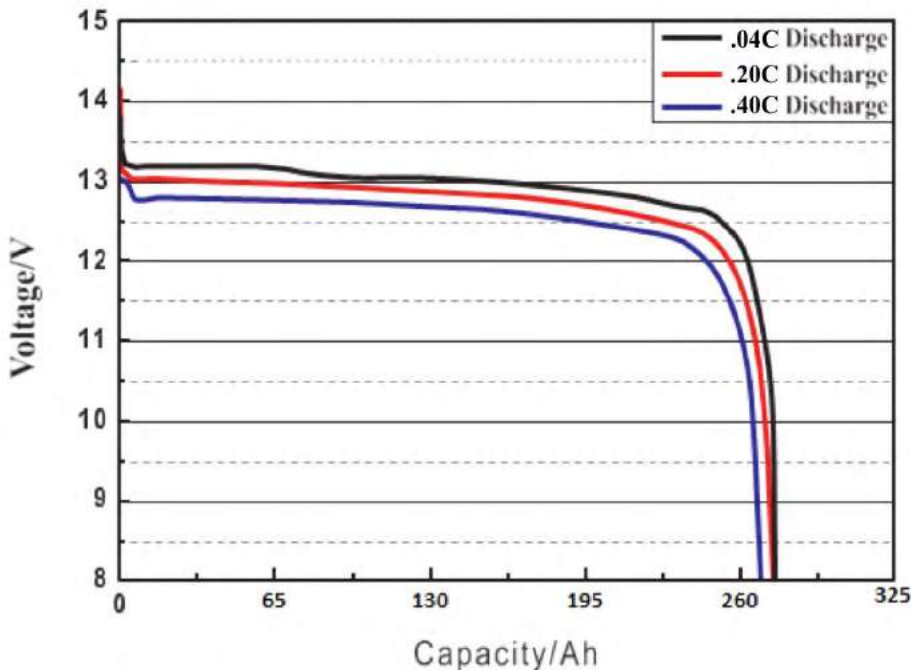
19.3 in.
490 mm

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 260AH LITHIUM ION BATTERY



Amp Hours: 260AH

Voltage: 12.8V Nominal

Peak Amps: 1000 amps for 3-5 seconds

Life Expectancy: 3000-5000 Cycles

Weight (Battery Only): 88lbs. / 39.9kg

Efficiency: 99%

Minutes at 65A: 240

Max Continuous Charge: .4C = 100A

Max Continuous Discharge: .4C = 100A

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

Auto Low Voltage Cutoff: 8V - 10V

Auto Over Voltage Cutoff: 15.8V

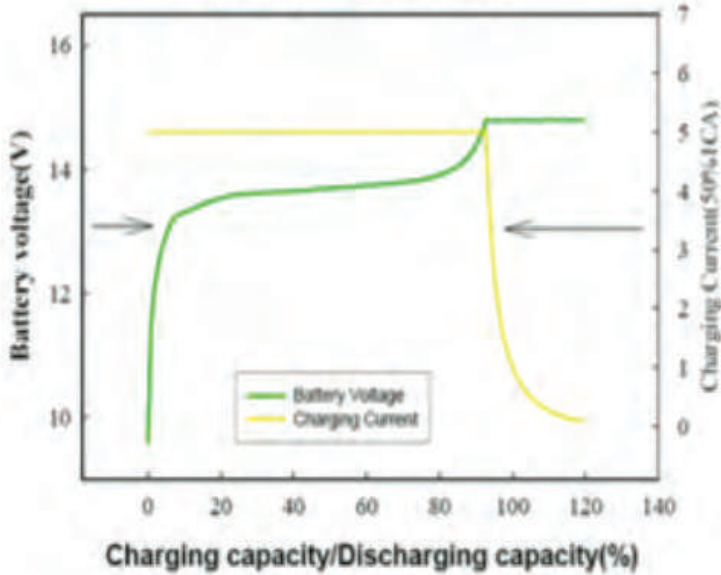
Charge Voltage: CC/CV 14.6V / Float 13.8V

Max Series Connection: 4

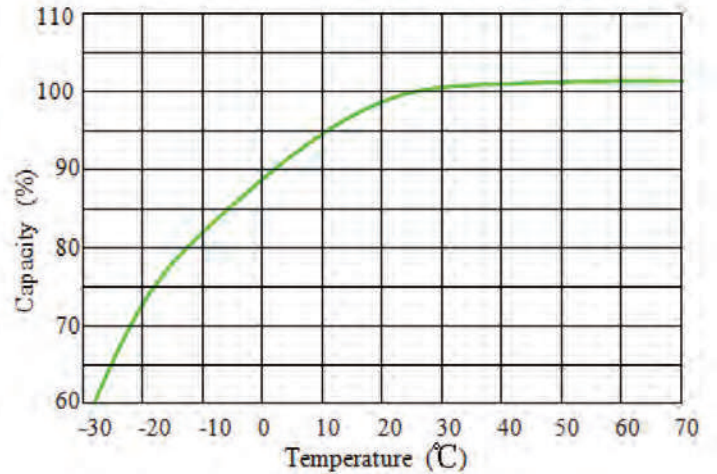
Max Parallel Connection: 4

Cell Type: Cylindrical LiFePO4

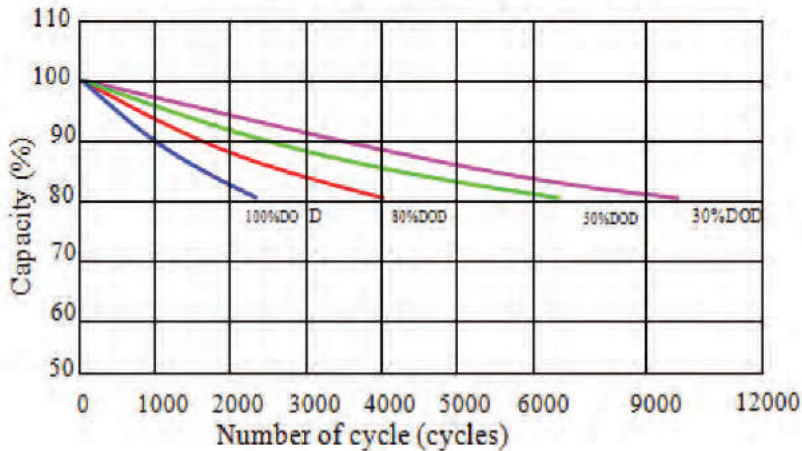
constant voltage charging characteristic
(0.5CA, 25Celsius scale)

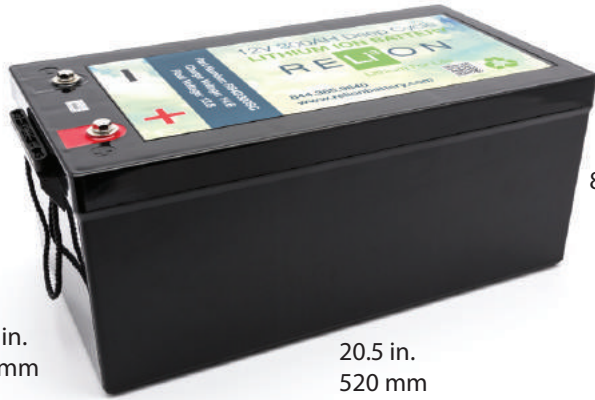


Temperature effects on capacity at 0.2C



Cycle life with DOD at 25°C, 0.2C





10.6 in.
269 mm

20.5 in.
520 mm

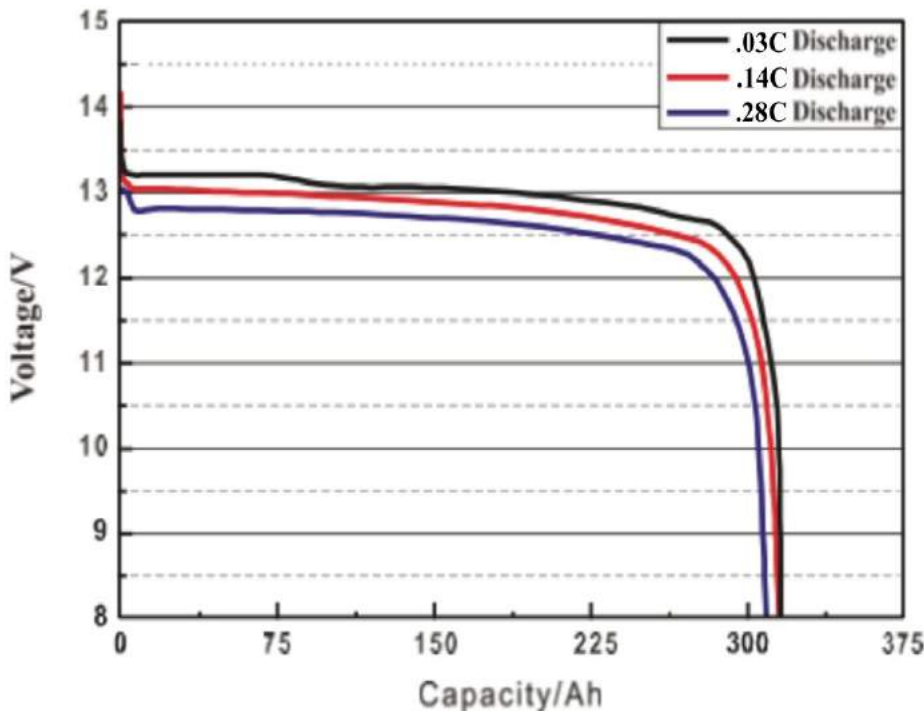
8.7 in.
221 mm

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 300AH LITHIUM ION BATTERY



Amp Hours: 300AH

Voltage: 12.8V Nominal

Peak Discharge: 350 amps for 3-5 seconds

Life Expectancy: 3000-5000 Cycles

Weight (Battery Only): 84lbs. / 38.1kg

Efficiency: 99%

Minutes at 50A: 360

Max Continuous Charge: .28C = 80A

Max Continuous Discharge: .28C = 80A

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

Auto Low Voltage Cutoff: 8V - 10V

Auto Over Voltage Cutoff: 15.8V

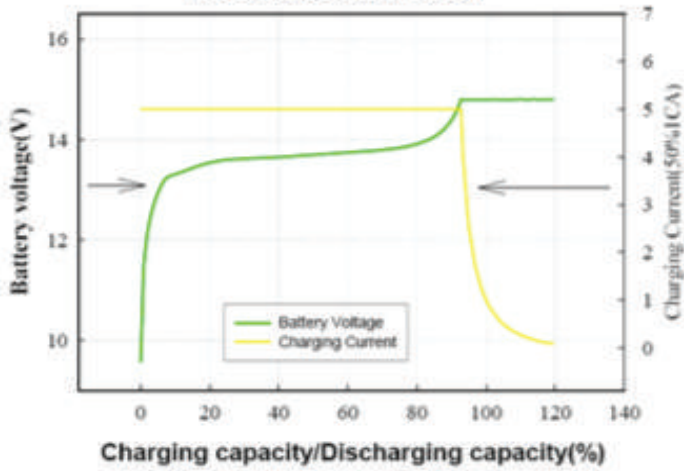
Charge Voltage: CC/CV 14.6V / Float 13.8V

Max Series Connection: 4

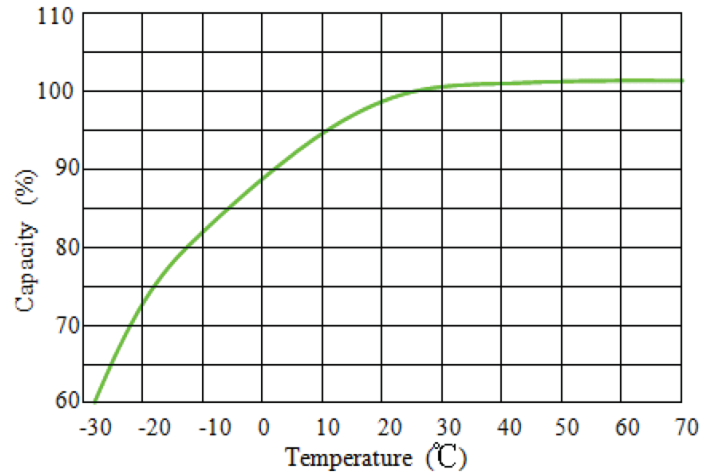
Max Parallel Connection: 4

Cell Type: Prismatic 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

