



Specification Approval Sheet

Name : LiFePO4 Rechargeable Battery

Model : 48V 20Ah

SPEC : _____

Approved By	Checkup	Make

Customer Confirmation	Signature	Date
	Company Name :	
	Stamp :	

436 Kato Terrace, Fremont, CA 94539 U.S.A.

Tel: 510.687.0388 Fax: 510.687-0328

www.TenergyBattery.com

**Tenergy Corporation**

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Nominal Voltage 额定电压		51.2 V
Nominal Capacity (C/3, 20 °C) 额定容量		20 Ah
Weight (approximate) 重量		11 kg
Dimension L×W×H 尺寸		186 × 125 × 300 mm
Standard Discharge @ 23 °C 放电	Max. Cont Current 最大持续电流	20 A
	Max. 30 sec. Pulse 最大30秒脉冲	40 A
Standard Charge (CC/CV) 充电	Charge Voltage 充电电压	57 V
	Recommended Charge Current 充电电流	4 A
	Charge Time 充电时间	5.5hrs
Operating temperature 工作温度		-20 °C to 60 °C
Charge temperature 充电温度		-0 °C to 45 °C
Storage temperature 存储温度		-20 °C to 45 °C
Operating humidity 工作湿度		5% to 90%, non-condensing



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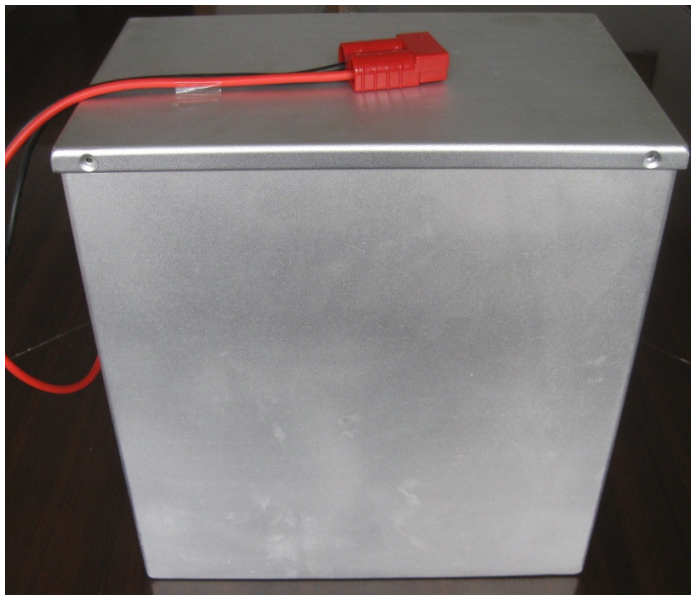
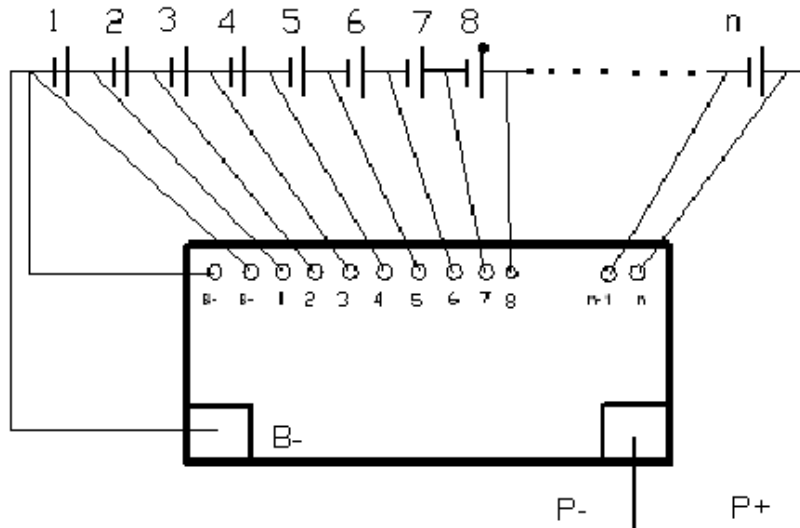
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Battery Pack Wiring Diagram 电池组接线示意图



Charging plug 充电插头

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Nominal Voltage 额定电压	3.2 V
Nominal Capacity (C/3, 20 °C) 额定容量	20 Ah
Weight (approximate) 重量	0.56 kg
Charge voltage 充电电压	3.65 V
Cut-off Voltage 切断电压	2.5 V
AC Internal Resistance (max) 交流内阻	5 mΩ max
Dimension L×W×H 尺寸	7×173×248 mm
Operating temperature 工作温度	-20 °C to 60 °C
Charge temperature 充电温度	-0 °C to 45 °C
Storage temperature 存储温度	-20 °C to 45 °C
Operating humidity 工作湿度	5% to 90%, non-condensing

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Max. Batteries in Series 最大串联数量	16
Over- voltage protection (signal cell) 过压保护 (单只电池)	3.75 V
Over- voltage protection (pack) 过压保护 (电池组)	60 V
Under-voltage protection (signal cell) 欠压保护 (单只电池)	2.0 V
Over discharge current protection 过电流保护	60 A
Over charge current protection 过充电保护	7 A
Cell Balance 电池均衡	Yes
Short-circuit protection 短路保护	Yes
Output terminal 输出端	P+ and P-
Charge terminal 充电端	C+ and C-
Protection recovery condition 保护恢复条件	Open the circuit 断开线路
Operating temperature 工作温度	-10 °C to 85 °C



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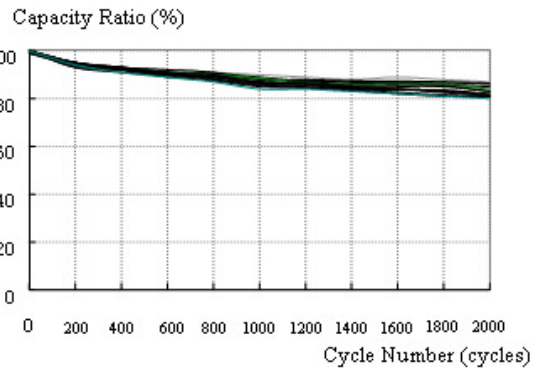
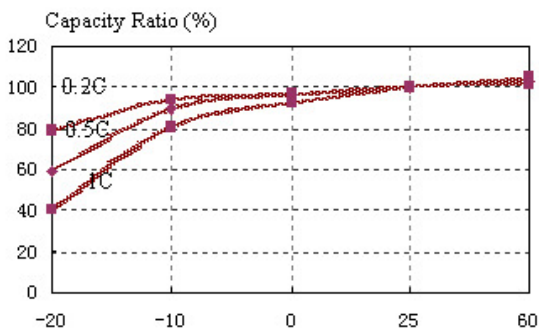
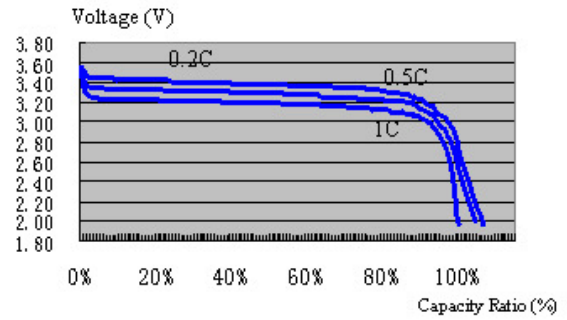
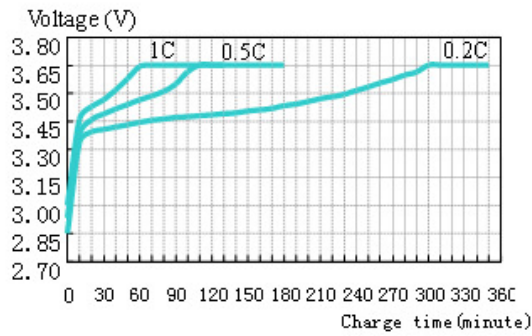
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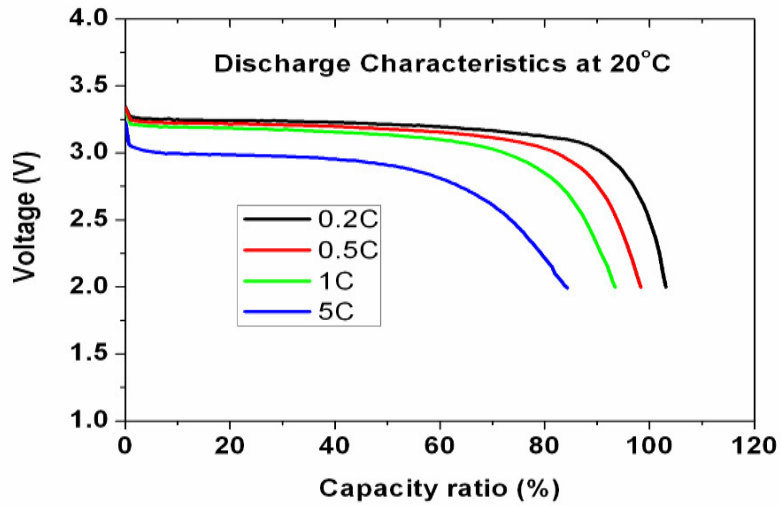
Cell Specifications 电池参数

Overview 总览

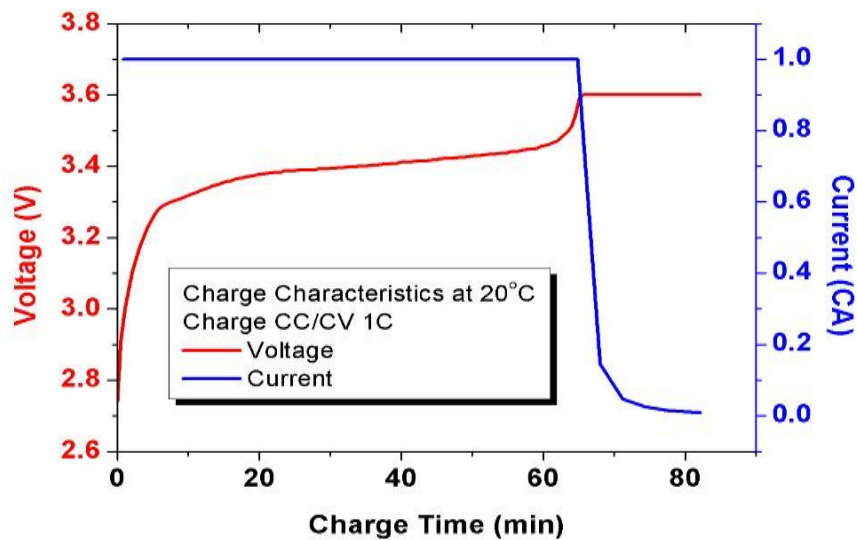




Discharge Performance @ 20 °C 放电性能



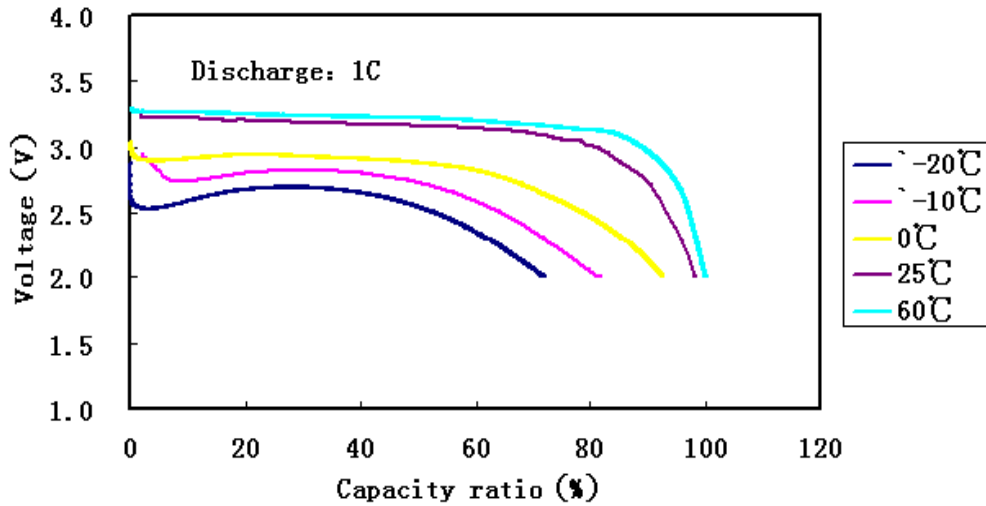
Charge Performance @ 20 °C, 1C 充电性能





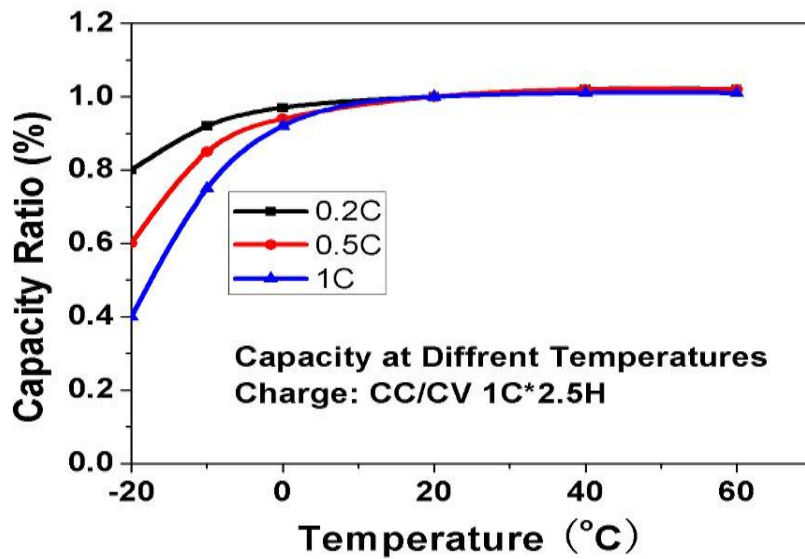
Temperature Performance 温度性能

(Capacity % VS various temperature @ 1C Rate Discharge)



Temperature Performance 温度性能

(Capacity % VS various temperature @ 1C Rate Charge)





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Life Cycle Performance 循环寿命性能

(C/3 Charge and discharge @ 20 °C)

