



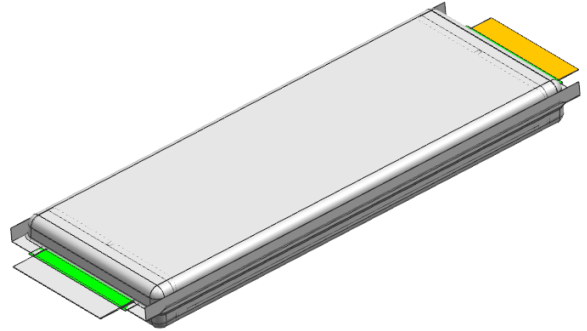
文件名称:	CB98-47.7Ah电池产品规格书		项目编号(可选)		
文件编号:		版本:	1	页码:	1/4

CB98 47.7Ah电池产品规格书

❖ 型号: CB98 47.7Ah

❖ CB98 47.7Ah电池特性

- 采用磷酸铁锂作为正极材料
- 具有优异的安全特性及超长的循环寿命
- 良好的温度性能, 电池工作温度范围广
- 能量密度高, 环境友好



❖ 电池认证

- GBT31484-2015
- GBT38031-2020
- GBT31486-2015

电池基本参数	
标称电压	3.2V
额定容量	47.7Ah
DCIR	1.2-1.8mΩ
额定能量	152.64Wh
标准充电方式	恒流充电(CC)
放电方式	恒流放电(CC)
充放电限制电压	3.75~2.0V /Cell
标准充电电流	0.5C+0.2C+0.05C/1C@25°C;
标准放电电流	47.7A @25°C
最大持续充电电流	50A @25°C (0~30%SOC)
最大持续放电电流	120A @25°C (30~100%SOC)
最大充电功率	500W (BOL/25°C/50%SOC/10S)
最大放电功率	950W (BOL/25°C /80%SOC/10S)
出货态电压/SOC	3.275V~3.295V/25% soc

电池基本尺寸&重量	
长度	257.5±0.4mm (含极耳)
高度	91.3±0.2mm
厚度	24.3±0.4mm
重量	1.01±0.02 Kg



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❖ 电池使用安全

• 电池工作&储存

充电操作温度	-30~+60℃ (55~60℃的频率≤1%)
放电操作温度	-35~+60℃ (55~60℃的频率≤1%, -35℃~-30℃只用于BSG启动)
短期存储环境温度	-40~+40℃ (<3个月, 20~60% SOC)
长期存储环境温度	-40 ~+35℃ (<1年, 30~60% SOC)
存储湿度	5%~95%
海拔	≤4000m (0.06Mpa)

• 安全警告

- 1、请勿将电池投入火中或其他方式对电池加热
- 2、请勿短接或不正确极性的安装, 避免机械或电滥用
- 3、请勿将不同厂家或不同型号的电池混用
- 4、请勿拆解或改变电池的外部结构, 勿用外力对电池进行撞击或穿刺
- 5、请勿将电池放入水、海水、强酸性、强碱性等物质
- 6、避免阳光直射, 避免高温高湿 (温度≤65℃, 湿度≤95%)
- 7、在对电池进行操作时, 需要佩戴橡胶或胶皮手套
- 8、对电池进行充放电时, 应确保电池具备电压、电流、温度监控及保护
- 9、电池发生漏液、冒烟或破损事故时, 应立即停止使用, 并联系我司处理



文件名称:	CB98-47.7Ah Lithium-ion battery specification		项目编号 (可选)	
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CB98-47.7Ah Lithium Ion Battery Specification

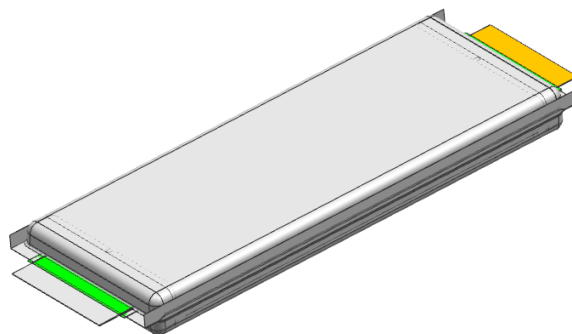
❖ Battery Type: CB98

❖ Features

- LiFePO₄ as cathode material
- Excellent safety, long life time
- Good temperature performance and large operating temperature range
- High energy density, Environment friendly

❖ Certification

- GBT31484-2015
- GBT38031-2020
- GBT31486-2015



Nominal characteristics	
Nominal Voltage	3.2V
Capacity	47.7Ah
DCIR	1.2-1.8mΩ
Energy	152.64Wh
Charge Method	Constant Current
Discharge Method	Constant Current
Charge/Discharge limited voltage	3.75~2.0V /Cell
Charge Current	0.5C+0.2C+0.05C @25°C
Discharge Current	47.7A @25°C
Cont. Charge Current	50A @25°C
Cont. Discharge Current	120A @25°C
Peak Charge Power	500W (BOL/25°C/50%SOC/10S)
Peak Discharge Power	950W (BOL/25°C /80%SOC/10S)
Shipment Voltage/SOC	3.275V~3.295V/25% soc

Cell dimensions	
Length	257.5±0.4mm
Width	91.3±0.2mm
Thickness	24.3±0.4mm
Weight	1.01±0.02 Kg



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❖ Safety Instructions

• Operating & Storage Conditions

Charge Operating Temperature	-30~+55℃
Discharge Operating Temperature	-30~+55℃
Normal Storage	-40~+50℃ (<3 months, 20~60% SOC)
Long Term Storage	-40 ~+35℃ (<1 year, 30~60% SOC)
Storage Humidity	5%~95%
Elevation	≤4000m

• Cautions

- 1 Never throw out battery in a fire or expose to high temperatures. Move away from the fire.
- 2 Do not disassemble, crush, short or install with incorrect polarity. Avoid mechanical or electrical abuse.
- 3 Do not use the battery with other maker's batteries, different types and /or models of batteries.
- 4 Do not disassemble or alter the batteries' outside structure. Do not impact or penetrate the cell.
- 5 Incompatible products: Conductive materials, water, sea-water, strong oxidizers and strong acids.
- 6 Avoid direct sunlight, high temperature, and high humidity (temperature≤65℃, humidity≤95%).
- 7 Wear neoprene or nature rubber gloves if handling a cell.
- 8 Insure the cell has necessary protection and monitoring to voltage, current and temperature of the cell.
- 9 In case of smoking or electrolyte spilled, cell damaged, stop using the cell immediately and the contact BYD to dispose.