

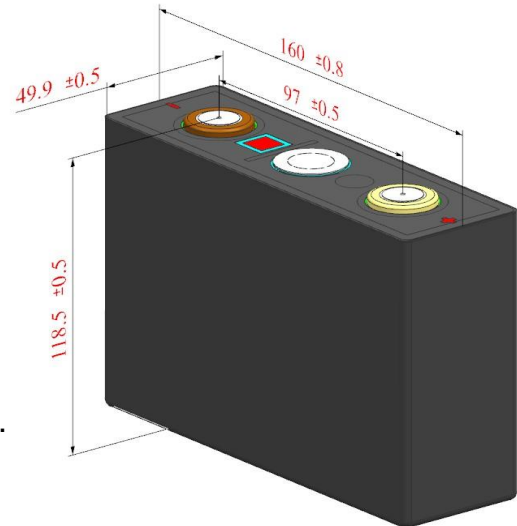
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C47FCCA-100Ah Cell Specification

Module: C47FCCA

C47FCCA cell characteristics

1. Lithium iron phosphate is used as the positive electrode material;
2. It has excellent safety characteristics and cycle life;
3. Good temperature performance, wide battery operating temperature range;
4. High energy density and environment friendly.



Basic parameters		Basic size & weight	
Rated Voltage	3.2V	Length	160mm
Rated Capacity	100Ah	Height	118.5mm
Rated Power	320Wh	Thickness	49.9mm
Work Voltage range	2.0~3.8V	Weight	1.95Kg
Internal resistance	≤0.35mΩ@1KHz, 25%SOC	Abuse test	Test results (according to: EUCAR)
Charge mode	CC-CV	Acupuncture	Pass-L3
Standard charge current	20A@25°C	Squeeze	Pass -L4a
Max charge current	100A@25°C	Overcharge	Pass -L4a
Standard discharge current	20A@25°C	Over discharge	Pass -L2
Max discharge current	150A@25°C	Short circuit	Pass -L2
Voltage when shipped	3.24~3.29V	Furnace heat	Pass -L4a
SOC when shipped	20%~50%		

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Cell Certification:

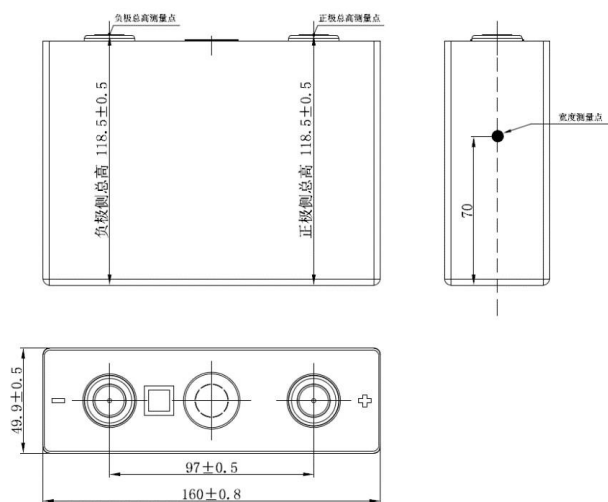
Passed: UN38.3、UL1642、IEC62619

Appearance of Cell

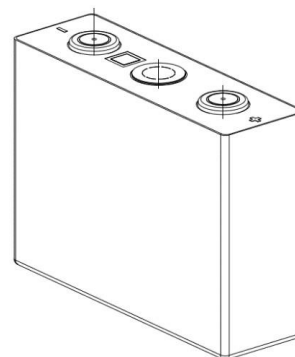
- Physical appearance of the cell:



- Lithium battery outline dimension drawing (three views):



C47F外型图 (含包膜)





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Safe to use

● Cattery operation & storage

No.	Item	Value
1	Charging ambient temperature	0~+60℃
2	Discharging ambient temperature	-20~+60℃
3	Short-term storage ambient temperature	-20~+45℃ (<3months, 20~60% SOC)
4	Long-term storage ambient temperature	-20 ~+35℃ (<1year, 30~60% SOC)
5	Storage humidity	5%~95%
6	Altitude	≤5000m

● Cell Protection & Monitoring

In order to ensure battery life and safe use, the charger and protection circuit must monitor the battery during charging and discharging:

● Safety warning

- 1、 Do not put the battery into fire or heat the battery in other ways;
- 2、 Do not short-circuit or install with incorrect polarity to avoid mechanical or electrical abuse;
- 3、 Do not mix batteries of different manufacturers or different types;;
- 4、 Do not disassemble or change the external structure of the battery, and do not impact or puncture the battery with external force;
- 5、 Do not put the battery into water, seawater, strong acid, strong alkali and other substances;
- 6、 Avoid direct sunlight, avoid high temperature and high humidity (temperature≤65℃, humidity≤95%);;
- 7、 When operating the battery, you need to wear rubber or rubber gloves
- 8、 When charging and discharging the battery, make sure that the battery has voltage and current, temperature monitoring and protection;
- 9、 When the battery leaks, smokes or is damaged, stop using it immediately and contact our company for handling.

No.	Item	Value
1	Charge cut-off voltage	3.80 V/Cell
2	Discharge cut-off voltage	2.00 V/Cell
3	Level 1 overcharge protection voltage	3.80V~3.90 V/Cell
4	Level 2 overcharge protection voltage	3.91V~4.00 V/Cell (Suggest)
5	Overcharge recovery voltage	3.3V~3.50 V/Cell
6	Level 1 over-discharge protection voltage	1.90V~1.99 V/Cell
7	Level 2 over-discharge protection voltage	1.80V~1.89 V/Cell (Suggest)
8	Over discharge recovery voltage	2.50V~2.80 V/Cell
9	overheating alarm	60℃



★ 秘密