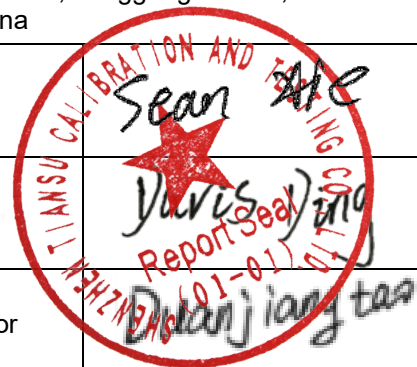




中国认可
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检测
TESTING
CNAS L5138

TEST REPORT EN IEC 62619 Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries, for use in industrial applications	
Report Number	TSZ23120591-P02-R01
Date of issue	2024-01-10
Total number of pages	7 Pages
Applicant's name	Chengdu Greenfaith New Energy Technology Co., Ltd.
Address	Room 4008, Building 3, 88 Jitai 5th Road, High-Tech Zone, Pilot Free Trade Zone, Chengdu, Sichuan, P.R.China
Test specification:	
Standard	EN IEC 62619:2022
General disclaimer:	
The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing laboratory.	
Test item description	LiFePO4 Battery(Li-ion)
Trade Mark(s)	
Manufacturer	Sinocat Environmental Technology Co., Ltd. No.88, Gunan Street, High-Tech Zone, Chengdu City, Sichuan, China
Model/Type reference	LFW51200
Ratings	51.2V, 200Ah, 10.24kWh
Testing Laboratory:	
Shenzhen Tiansu Calibration and Testing Co., Ltd.	
Testing location/ address	No.2, Jinlong Avenue, Longgang District, Shenzhen, Guangdong, China
Tested by (name, function, signature)	Sean Xie /Test engineer
Reviewed by (name, function, signature) ..	Davis Ding /Reviewer
Approved by (name, function, signature) ..	Duan Jiangtao /Technical director



List of Attachments (including a total number of pages in each attachment):	
Summary of testing:	
Tests performed (name of test and test clause): N/A	Testing location: N/A
The product fulfils the requirements of IEC 62619:2022.	

Copy of marking plate:

The artwork below may be only a draft.

LVFU	
Product name	LiFePO4 Battery(Li-ion)
Model	LFW51200
IFpP/55/175/208/[16S]E/-10+50/95	
Parameter	Nominal Voltage:51.2Vd.c.
	Rated Capacity: 200Ah
	Rated Energy: 10.24kWh
positive /negative electrode	Red/ black
Recommended Charge	CC/CV 50A of 57.6V, Cutoff current 10.3A
Date of manufacture	20231129
Code	LC231129B200001
注意事项 (WARNING) :	
1. Read manual before installing. 2.Wait at least 5 minutes after power off before proceeding. 3. Must be grounded before operation. 4.disposal of batteries should follow local regulations.	
	
WARNING Risk of electric shock	
<ul style="list-style-type: none"> ■ Read manual before installing ■ Wait at least 5 minutes after power off before proceeding ■ Must be grounded before operation 	

Test item particulars.....:		
Classification of installation and use.....: To be defined in final product		
Supply Connection : DC connector		
Recommend charging method declared by the manufacturer : Charging the battery with 50A constant current until 57.6V, then constant voltage until charging current reduces to 10.3A		
Possible test case verdicts:		
- test case does not apply to the test object.....: N/A		
- test object does meet the requirement.....: P (Pass)		
- test object does not meet the requirement.....: F (Fail)		
Testing.....:		
Date of receipt of test item : N/A		
Date (s) of performance of tests : N/A		
General remarks:		
"(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report.		
Throughout this report a <input type="checkbox"/> comma / <input checked="" type="checkbox"/> point is used as the decimal separator.		
Name and address of factory (ies) : Same as manufacturer		
General product information and other remarks:		
The battery of model LFW51200 is composed of sixteen lithium-ion cells (16S1P), and equipped with overcharge, overdischarge, overcurrent, and short circuit protection circuits.		
- Battery (Model: LFW51200) has been evaluated to comply with ST/SG/AC.10/11/Rev.7/Section 38.3, test report No.: TSZ24010236-P02-R01 issued on 2024-01-09, issued by Shenzhen Tiansu Calibration and Testing Co., Ltd.		
	Cell	Battery
Model	53173200 206Ah	LFW51200
Rated capacity(Ah)	206	200
Nominal voltage(V)	3.2	51.2
Recommended Charge Current(A)	103	50
Maximum Charge Current(A)	206	100
Recommended Discharge Current(A)	103	100
Maximum Discharge Current(A)	206	100
Maximum Charge Voltage(V)	3.65	57.6
End-of-discharge Voltage(V)	2.0	43.2
Charge temperature Range(°C)	0 to 60	0 to 55
Discharge temperature Range(°C)	-20 to 60	-18 to 58
Nominal mass(kg)	approx. 4.2kg	83±1kg
External dimensions(mm)	54.3(max.) *175.0(max.) *207.9(max.)	482±1.0*488±1.0*237±1.0

Remark:

- 1) At the request of the customer, add applicants and change their corresponding models and product name, other information remains unchanged.
- 2) Change the applicant's name from " **Chengdu Greenfaith New Energy Technology Co., Ltd.** " to " **Chengdu Greenfaith New Energy Technology Co., Ltd.** ", See Page 1:
- 3) Change model from " **ZT-51200B** " to " **LFW51200** ", See Page 1
- 4) Change product name from " **Wall mounted Li-ion battery** " to " **LiFePO4 Battery(Li-ion)** ", See Page 1

For above change, No related test was considered necessary.

Product Photo

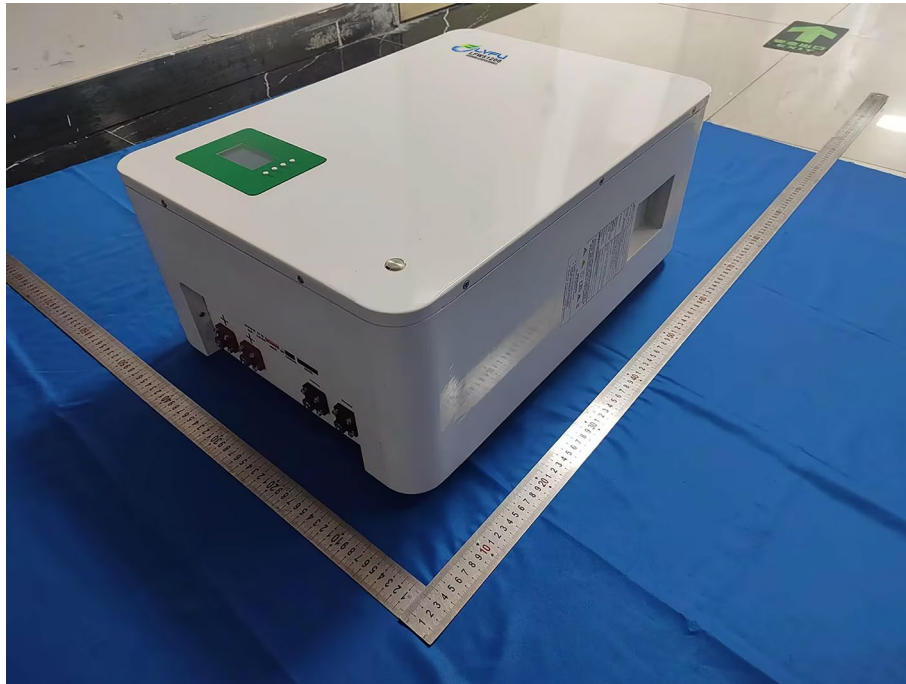


Figure 1 Front view of battery system

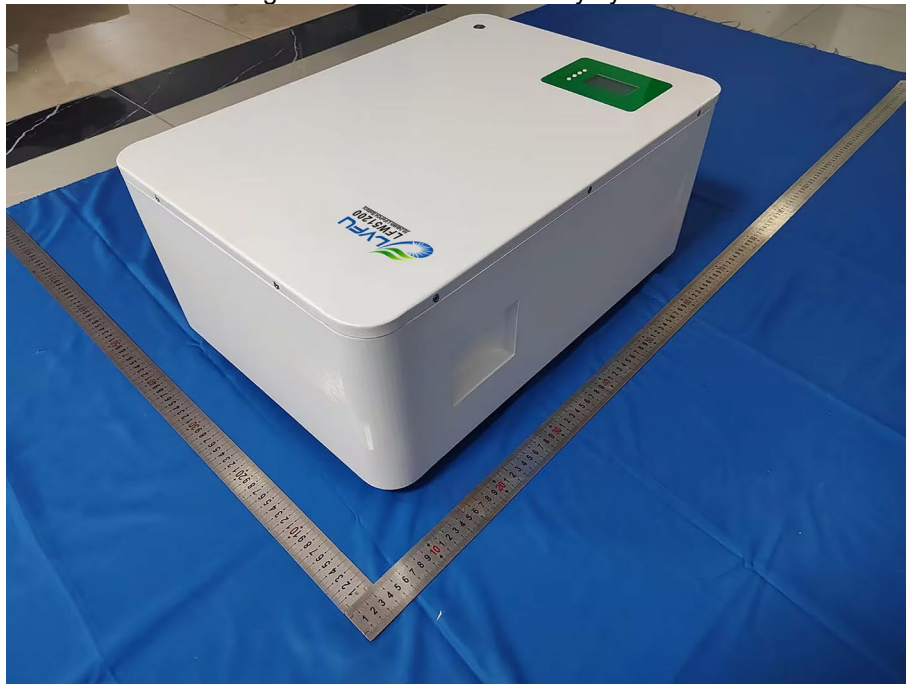


Figure 2 Back view of battery system

Amendment sheet:

Revision	Issue Date	Revision Content	Revised By
0	2024-01-10	Original report	Sean Xie
1	2024-01-10	At the request of the customer, add applicants and change their corresponding models and product name, other information remains unchanged. This report is based on the report No. TSZ23120180-P05-R01, there is no need to retest, this report is invalid without the original report	Sean Xie