

LITHIUM BATTERY TEST SUMMARY AND SUPPLIER INQUIRY

IN ACCORDANCE WITH SUB-SECTION 38.3
OF MANUAL OF TESTS AND CRITERIA

1. Name/Description of battery
Power Station
1a. Name/Description of the cells inside the battery
Li-ion Battery

The test summary of the cells inside the battery must either be presented or under checkpoint 9 and 9a it must be confirmed that the UN 38.3 test summary for the cells is available.

2. Manufacturer of battery	
Name	Huan Bohrfuture solartechonology Co.,limited
Address	1-3F &6-8F,BLDG#A,Changfang Industrial Park,No.2 Guihua 5 th Road,Pingshan District,Shenzhen
Phone	0755-28398777
Email	pengxianzheng@hamedata.com
Website	www.hamedata.com

2a. Manufacturer of the equipment (if the battery is contained in equipment)	
Name	Hamedata Technology CO.,Limited
Address	1-3F &6-8F,BLDG#A,Changfang Industrial Park,No.2 Guihua 5 th Road,Pingshan District,Shenzhen
Phone	0755-28398777
Email	pengxianzheng@hamedata.com
Website	www.hamedata.com

3. Test laboratory of battery	
Name	Shenzhen LCS Compliance Testing Laboratory Ltd
Address	Room 101,201,Building A and Room 301,Building C,Juji Industrial Park,Yabianxueziwei,Shajing Street,Bao'an District,Shenzhen,Guangdong,China
Phone	0755-82591330
Email	webmaster@lcs-cert.com
Website	www.lcs-cert.com

4. ID-number and date			
Unique test report identification number	SEKQD202412088031	Date of test report	2023-07-12

DESCRIPTION OF BATTERY

5. Mark the type of battery with an "X"			
X	Lithium ion battery	Lithium metal battery	Lithium hybrid battery

6. Parameters	
Mass in gram (g):	18592.2
Lithium ion: Indicate watt-hour rating (Wh):	2240
Lithium metal: Indicate lithium metal content in gram (g):	3718
Lithium hybrid: Indicate lithium metal content in gram (g) and watt-hour	7064

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rating (Wh):	
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7. Physical description of battery
Appearance: Solid

8. Model numbers
B2500H

TESTS AND RESULTS

9. List of tests conducted and results - Mark N/A, pass or fail with an "X"	N/A	Pass	Fail
T1 - Altitude simulation		√	
T2 - Thermal Test		√	
T3 - Vibration		√	
T4 - Shock		√	
T5 - External Short Circuit		√	
T6 - Impact - for cylindrical cells having a diameter of at least 18 mm See check point 1a and 9a.		√	
T6 - Crush - for prismatic cells, pouch cells, button cells and cylindrical cells having a diameter of less than 18 mm. See check point 1a and 9a.		√	
T7 - Overcharge		√	
T8 - Forced Discharge, only valid for cells. See check point 1a and 9a.		√	
9 List the tests conducted and results-T9 Text			
9 List the tests conducted and results-T10 Text			

9a. UN 38.3 Test Confirmation for the Cells inside the battery When no separate document for the cells is provided, this confirms that the cells inside the battery (see checkpoint 1.a.) have successfully passed the UN 38.3 test. In this case under checkpoint 9 the T.6 and T.8 must be marked as „passed“ and here under 9.a. „Cell UN 38.3 Test confirmed“ needs to be ticked.	Cell UN 38.3 Test confirmed	√	Cell UN 38.3 Test NOT confirmed	
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10. Reference to assembled battery testing requirements			
	Altitude simulation, Thermal test, Vibration, Shock, External sort circuit, Impact, Overcharge, Forced discharge	Pass	

11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto

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ADDITIONAL SUPPLIER INQUIRY

12. Quality management system for manufacturing batteries Does the manufacturer of the battery manufacture the products based on a documented quality management system according to transport regulations?	yes	√	no	
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13. Are the following parameters exceeded? Lithium ion battery: more than 100 Wh Lithium metal battery: more than 2 g Lithium Lithium hybrid Battery: more than 1,5 g Lithium and/or more than 10 Wh	yes	√	no	
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Check point 14 - 16 need to be answered when 13 has been ticked "YES":				
14. Does each battery incorporates a safety venting device or is designed to preclude a violent rupture under normal conditions of carriage?	Yes	√	no	
15. Is each battery equipped with an effective means of preventing external short circuits?	Yes	√	No	
16. Is each battery containing cells or series of cells connected in parallel equipped with effective means as necessary to prevent dangerous reverse current flow (e.g. diodes, fuses, etc.)?	N/A	Yes	√	No

17. Only in air transport: State of Charge (SoC) for UN 3480 Lithium ion batteries and lithium polymer batteries				
State of Charge (SoC) max. 30 %	N/A	Yes	√	No

BATTERIES INSTALLED IN EQUIPMENT

18. Check point 18 needs to be answered when the batteries are installed in articles:				
18.a) Only button cells enclosed?	Yes		No	
18.b) Number of enclosed batteries per equipment				14
When the equipment is intentionally active/switched on during transport e.g. data loggers:				
18.c) Confirmation that no dangerous amount of heat is emitted from the equipment	N/A	Yes	√	No
18.d) Confirmation that the equipment when transported by air fulfills the defined air transport standards for electromagnetic radiation according to DO-160	N/A	Yes	√	No

19. Place, Date	20. Title, Surname, First name and signature	21. Company stamp
Shenzhen, 2025.06.06	Test Engineer, Xianzheng Peng	