

LOGISTIC INFORMATION AND UN 38.3 TEST SUMMARY

in accordance with manual of tests and criteria

7. revised edition, amendment 1, subsection 38.3.5

N/A = Not Applicable

1. Name/Description of battery
POWER BANK

1a. Name/Description of the cells inside the battery
Single Cell 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	Ganzhou TuoYuan New Energy Co., Ltd
Address	Building No.8, No.7, 5G Technology North Park, Xinfeng High-tech Industrial Park, Ganzhou, Jiangxi
Phone	86-13418874839
Email	
Website	https://topfar-battery.com/

2a. Manufacturer of the equipment (if the battery is contained in equipment)
Name
Address
Phone
Email
Website

3. Test laboratory of battery	
Name	Guangdong ESTL Technology Co., Ltd
Address	Room 101, 201-208, Unit 1, Building 1, No. 9 Headquarters 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China.
Phone	86-400 755 8988
Email	info@gtggroup.com
Website	www.gtggroup.com

4. ID number and date			
Unique test report identification number	S03A23110960U01801	Date of test report	2023-12-13

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Name/Description of battery (taken from field 1)

POWER BANK

DESCRIPTION OF BATTERY

5. Mark the type of battery with an "•"

Note: Single cell batteries (1S1P) are treated as cells, i.e. using this logistic information form is correct.

☒ Lithium ion battery	☐ Lithium metal battery
☐ Lithium hybrid battery	

6. Parameters

Weight of the battery in gram (g) or kilogram (kg)	352.9 g
Lithium ion: Nominal energy in Watt-hours (Wh) or kilo Watt-hours (kWh)	74 Wh
Lithium metal: Lithium metal content in gram (g) or kilogram (kg)	g
Lithium hybrid: Nominal energy in Watt-hours (Wh) or kilo Watt-hours (kWh)	g
and lithium metal content in gram (g) or kilogram (kg)	g

7. Physical description of battery

Approximate Black Cuboid

8. Model numbers

XS20000

TESTS AND RESULTS

9. List of tests conducted and results - Mark N/A, pass or fail with an "•"	N/A	pass
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.		✓

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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



10. Reference to assembled battery testing requirements

N/A

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

UN "Manual of Tests and Criteria" ST/SG/AC.10/11/Rev.7/Amend1/Subsection 38.3

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



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



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



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POWER BANK

BATTERIES INSTALLED IN EQUIPMENT

17. Check point 17 needs to be answered when the batteries are installed in articles:					
17.a) Only button cells enclosed?	☐	YES	NO	☒	
17.b) Number of enclosed batteries per equipment					2
When the equipment is intentionally active/switched on during transport e.g. data loggers:					
17.c) Confirmation that no dangerous amount of heat is emitted from the equipment	☐	N/A	☒	YES	NO ☐
17.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 ☐

18. Place, Date	19. Name and title of the responsible person
2024-04-30	Sansa Hu/Sales manager

