

LITHIUM BATTERY TEST SUMMARY AND SUPPLIER INQUIRY

IN ACCORDANCE WITH SUB-SECTION 38.3 of manual of test and criteria



N/A = Not Applicable

1. Name/Description of battery			
Akku Lutz Pumpen 21,6 V			
1a. Name/ Description of the cells inside the battery			
ISR18650-2000mAh 3,7V			
The test summary of the cells inside the battery must either be presented or under checkpoint 9 and 9a in must be confirmed that the UN38.3 test summary for the cells is available.			
2. Manufacturer of battery			
Name	Shenzhen Unite-Fortune Development Co.,Ltd		
Address	33 Floor, Tower A&B, Shenfang Plaza, Renmin Road South, Luohu District, Shenzhen, China		
Phone	+86 (0)755-8213-6338		
E-mail	summer@unitefortune.com		
Website	www.fine-dragon.com		
2a. Manufacturer of the equipment (if the battery is contained in equipment)			
Name			
Address			
Phone			
E-mail			
Website			
3. Test laboratory of battery			
Name	Pony Testing Group Shenzhen Co., Ltd.		
Address	3/F. of Building2, Building1. Xinhaosheng Industrial Park, Younghe Road, Qiaotou Community, Baoan District, Shenzhen, Guangdong, China		
Phone	86-755-26050909		
Email	cst@ponytest.com		
Website	www.ponytest.com		
4. ID-number and date			
Unique test report identification number	MPIO62JK501047U5	Date of test report	17.08.2021



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Description of battery

Name/Discription of battery (taken from field 1)
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5. Mark the type of battery with an "X"			
X	Lithium-Ion-battery	Lithium-metal-battery	
	Lithium-hybrid-battery		
6. Parameters		Cell	Battery
Mass in gram (g):			737,7 g
Lithium ion: Indicate watt-hour rating (Wh):			86,4 Wh
Lithium metal: Indicate lithium metal content in gram (g):			
Lithium hybrid: Indicate lithium metal content in gram (g) and watt-hour rating (Wh):			g
			Wh
7. Physical description of battery			
Lithium ion battery			
8. Model numbers			
0336-026			

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		X	
T2 - Thermal Test		X	
T3 - Vibration		X	
T4 - Shock		X	
T5 - External Short Circuit		X	
T6 – Impact – for cylindrical cells having a diameter of at least 18 mm See check point 1a und 9a		X	
T6 - Crush – for prismatic cells, pouch cells, button cells and cylindrical cells having a diameter of less than 18mm. See check point 1a und 9a.		X	
T7 - Overcharge		X	
T8 – Forced Discharge, only valid for cells. See check point 1a und 9a.		X	



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9a. UN 38.3 Test Confirmation fort he Cells inside the battery When no separate document for the cell is provided, this confirms that the cell 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.	<input checked="" type="checkbox"/>	Cell UN 38.3 Test confired	Cell UN 38.3 Test NOT confirmed	<input type="checkbox"/>
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				

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?	X	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	X
Check point 14-16 need tob e 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 %		YES	NO	X



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BATTERIES INSTALLED IN EQUIPMENT

Name/Discription of battery (taken from field 1)
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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					
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	21. Company stamp and signature			
Wertheim, 18.11.2021	Bartholme, Markus				

