# LITHIUM CELL/BATTERY TEST SUMMARY AND SUPPLIER INQUIRY

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

N/A = Not Applicable

1. Name of cell / baltery					
lithium ion Battery 702030					
2. Manufacturer of cell / battery					
Name	Shenzhen Green Power Electronics Co. Ltd				
Address					
Phone					
Email					
Website	45				
3. Test laborate	ory of cell / baltery				
Name	Pony Tessting International Group				
Address					
Phone					
Email					
Website'					
4. ID-number a	and date			44	
Unique test report identification number MNINY3HX90059721 Date of test re			2019	/04/15	
DESCRIPTION OF CELL / BATTERY					
5. Mark the ty	pe of cell/battery with an "•"				
Lithium ion cell			ium meta	l cell	
X Lithium	on battery	Lithium	metal ba	attery (	
Lithium	hybrid battery				
6. Parameters	**************************************	Cell	ι	Battery	
Mass in gram (g):				8,8	
Lithium ion: Indicate watt-hour rating (Wh):				1,11	
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		
Market in the case standard in exact containing and state in a standard sta					

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Name of cell/battery (taken from field 1)

Polymer lithium ion Battery

8. Model numbers  23834 Red Kite  TESTS AND RESULTS  9. List of tests conducted and results - Mark N/A, pass or fail with an "•" N/A pass fail T1 - Altitude simulation T2 - Thermal Test T3 - Vibration T4 - Shock T5 - External Short Circuit T6 - Impact / Crush T7 - Overcharge T8 - Forced Discharge T8 - Forced Discharge T0 - Reference to assembled battery testing requirements	7. Physical description of cell / battery						
23834 Red Kite  TESTS AND RESULTS  9. List of tests conducted and results - Mark N/A, pass or fail with an "•" N/A pass fail  T1 - Altitude simulation O O  T2 - Thermal Test O O  T3 - Vibration O O  T4 - Shock O O  T5 - External Short Circuit O O  T7 - Overcharge O O  T8 - Forced Discharge O O  T8 - Forced Discharge O O  T9 - Overcharge O O  T0 - Impact / Crush O O  T8 - Forced Discharge O O  T8 - Forced Discharge O O  T9 - Overcharge O O  T9 - Overcharge O O  T8 - Forced Discharge O O  T9 - Overcharge O O	prismatic						
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T1 - Altitude simulation  T2 - Thermal Test  T3 - Vibration  T4 - Shock  T5 - External Short Circuit  T6 - Impact / Crush  T7 - Overcharge  T8 - Forced Discharge  for all above  10. Reference to assembled battery testing requirements	TESTS AND RESULTS						
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T2 - Thermal Test  T3 - Vibration  T4 - Shock  T5 - External Short Circuit  T6 - Impact / Crush  T7 - Overcharge  T8 - Forced Discharge  for all above  10. Reference to assembled battery testing requirements	T1 - Altitude simulation	0	0	O			
T4 - Shock  T5 - External Short Circuit  T6 - Impact / Crush  T7 - Overcharge  T8 - Forced Discharge  for all above  10. Reference to assembled battery testing requirements	T2 - Thermal Test	O	0	Q			
T5 - External Short Circuit  T6 - Impact / Crush  T7 - Overcharge  T8 - Forced Discharge  for all above  10. Reference to assembled battery testing requirements	T3 - Vibration	O	0	0			
T6 - Impact / Crush  T7 - Overcharge  T8 - Forced Discharge  for all above  10. Reference to assembled battery testing requirements	T4 - Shock	O	0	0			
T7 - Overcharge  T8 - Forced Discharge  for all above  10. Reference to assembled battery testing requirements	T5 - External Short Circuit	O	0	0			
T8 - Forced Discharge  for all above    O  O  O  O  O  O  O  O  O  O  O  O	T6 - Impact / Crush	O	0	O			
for all above  O  O  O  O  O  O  O  O  O  O  O  O  O	T7 - Overcharge	0	0	0			
10. Reference to assembled battery testing requirements	T8 - Forced Discharge	0	0	0			
	for all above	0	X	0			
		0	0	0			
N/A	10. Reference to assembled battery testing requirements						
N/A							
				N/A			
11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto							

# LITHIUM CELL/BATTERY TEST SUMMARY AND SUPPLIER INQUIRY

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

Name of cell/battery (taken from field 1)

Polymer lithium ion Battery

#### ADDITIONAL SUPPLIER INQUIRY

		And the second s		
12. Quality management system for manufacturing cells / batteries  Does the manufacturer of the cell/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 cell: more than 20 Wh  Lithium ion battery: more than 100 Wh  Lithium metal cell: more than 1 g Lithium  Lithium metal battery: more than 2 g Lithium  Lithium hybrid Battery: more than 1,5 g Lithium and/or more than 10 Wh	YES	NOX		
Check point 14 – 16 need to be answered when 13 has been ticked "YES":				
14. Does each cell / battery incorporates a safety venting device or is designed to preclude a violent rupture under normal conditions of carriage?	YES	NO		
15. Is each cell / battery equipped with an effective means of preventing external short circuits?	YES	NO O		
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.)?	YES	NO		
17. Only in air transport: State of Charge (SoC) for UN 3480 Lithium ion cells/batteries and lithium polymer cells/batteries				
State of Charge (SoC) max. 30 %	YES	NO		

#### CELLS/BATTERIES INSTALLED IN EQUIPMENT

18. Check point 18 needs to be answered when the cells / batteries are installed in articles:										
18.a) Only button cells enclosed?					NO	X				
18.b) Numbe	r of enclosed	cells (other than button cells)/batte	eries per equip	ment						
	Enclosed cel	ls per equipment	Enclosed batteries per equipment				ment	1		
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 X N/A YES					NO	$\bigcirc$				
18.d) Confirmation that the equipment when transported by air fulfills the defined air transport standards for electromagnetic radiation according to DO-160					YES	NO				
19 Place Date 20 Title Surpame First name 21 Company stamp and signatured										

19. Place, Date	20. Title, Surname, First name	21. Company stamp and signature
Bünde, 2019.11.26	Vieregge Thomas Head of Quality Assurance & Product Safty	Revell 20-30  Henscheistr. 20-30  Henscheistr. 20-30
		1 (MM) 3222

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