

# 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 / battery

Lithium-ion Secondary Battery Cell EnerCera®Pouch

## 2. Manufacturer of cell / battery

Name	NGK Corporation
Address	2-56 Suda-cho, Mizuho, Nagoya, Aichi, JAPAN
Phone	+81-52-872-8875
Email	yoshidat@ngk.co.jp
Website	http://www.ngk.co.jp/

## 3. Test laboratory of cell / battery

Name	NGK Corporation
Address	2-56 Suda-cho, Mizuho, Nagoya, Aichi, JAPAN
Phone	+81-52-872-8875
Email	yoshidat@ngk.co.jp
Website	http://www.ngk.co.jp/

## 4. ID-number and date

Unique test report identification number	UN-26005	Date of test report	2026/4/15
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## DESCRIPTION OF CELL / BATTERY

### 5. Mark the type of cell/battery with an "●"

<input checked="" type="radio"/>	Lithium ion cell	<input type="radio"/>	Lithium metal cell
<input type="radio"/>	Lithium ion battery	<input type="radio"/>	Lithium metal battery
<input type="radio"/>	Lithium hybrid battery		

### 6. Parameters

	Cell	Battery
Mass in gram (g):	0.8	
Lithium ion: Indicate watt-hour rating (Wh):	0.046	
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

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Name of cell/battery (taken from field 1)

## 7. Physical description of cell / battery

Ultra-thin and bendable cell, 38x27x0.45mm

## 8. Model numbers

ET382704P-C  
ET382704P-H

## 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		●	

## 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

Manual of Test and Criteria, Part III, sub-section 38.3, seventh revised edition  
(ST/SG/AC,10/11/Rev.7)

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Name of cell/battery (taken from field 1)

## ADDITIONAL SUPPLIER INQUIRY

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?		<input checked="" type="radio"/>	YES	NO	<input type="radio"/>
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		<input type="radio"/>	YES	NO	<input checked="" type="radio"/>
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?		<input type="radio"/>	YES	NO	<input type="radio"/>
15. Is each cell / battery equipped with an effective means of preventing external short circuits?		<input type="radio"/>	YES	NO	<input type="radio"/>
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.)?		<input type="radio"/>	N/A	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 %		<input checked="" type="radio"/>	YES	NO	<input type="radio"/>

## 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?		<input type="radio"/>	YES	NO	<input checked="" type="radio"/>
18.b) Number of enclosed cells (other than button cells)/batteries per equipment					
0	Enclosed cells per equipment		Enclosed batteries per equipment	0	
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		<input checked="" type="radio"/>	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		<input checked="" type="radio"/>	N/A	YES	NO
19. Place, Date	20. Title, Surname, First name	21. Company stamp and signature			
Nagoya 2026/4/15	Manager Yoshida, Tetsushige	NGK Corporation <i>Yoshida Tetsushige</i>			