

Test summary of UN test for Lithium ion battery

Global Code : BJ-A140175AA
 Product Name : 4UR18650R-B008A
 Manufacturer : Panasonic Energy Co., Ltd. 222-1 Kaminaizen, Sumoto City, Hyogo 656-8555, Japan
 Tel +81-799-24-4111, email un_38_lib@ml.jp.panasonic.com
<https://energy.panasonic.com/jp/business/products/lithium-ion>
 Test Laboratory : Same as the manufacturer

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 Development Administration Department
 Rechargeable Battery Solution Business Unit
 Energy Solutions Business Division
 Panasonic Energy Co., Ltd.

We declare that this battery passed UN test.

Manual of Tests and Criteria (38.3 Lithium batteries)		Test results	Note	Number of test batteries/cells	
No.	Test item				
T 1	Altitude simulation	Pass		First cycle fully charged 4 batteries	After 50 cycles fully charged 4 batteries
T 2	Thermal test	Pass			
T 3	Vibration	Pass			
T 4	Shock	Pass			
T 5	External short circuit	Pass			
T 6	Crush	Pass		First cycle 50% charged 5 cells	
T 7	Overcharge	Pass		First cycle,fully charged 4 batteries	After 50 cycles,fully charged 4 batteries
T 8	Forced discharge	Pass		First cycle,fully discharged 10 cells	After 50 cycles,fully discharged 10 cells

*1 The test data may contain additional test result other than above table.

Lithium ion battery Specification

Item	Value/Description	Note
Watt-hour rating / Rated capacity	23 Wh / 1.6 Ah	Number of cells: 4
Nominal voltage	14.4 V	
Weight	max.262 g	
Physical description	Battery with outer case	

Above test procedures are compliant to the following manual.

(Manual of Tests and Criteria ST/SG/AC.10/11, PartIII, sub-section 38.3, Rev.5A1 for cell, Rev.5A2 for battery)

Judgment for necessity of test items is carried out based on the latest rules, and it is not linked with the version actually tested.