


Test summary of UN test for Lithium ion battery

Customer Model : 4376392
 Global Code : BJ-A180003AB
 Product Name : 4UR18650A2-U001A
 Manufacturer : SANYO Electric Co., Ltd. 222-1 Kaminaizen, Sumoto City, Hyogo 656-8555, Japan
 Tel +81-799-23-3931, email prb-bp-ta@ml.jp.panasonic.com
 Test Laboratory : Same as the manufacturer


 H.Kuroda Senior Manager
 Energy Solutions Business Division
 SANYO Electric 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

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

Lithium ion battery Specification

Item	Value/Description	Note
Watt-hour rating	48 Wh	
Weight	max. 640 g	
Physical description	Battery with outer label	
Lithium equivalent content	3.96 g	

Above test procedures are compliant to the following manual.

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