Panasonic

E1928112

	Test	summar	y of UN test for Li	thium ion battery	
Globa Produ Manuf	al Code : uct Name : facturer :	SANYO EI Tel +81- https://	OP-B003B ectric Co., Ltd. 222- 799-23-3931, email pro industrial.panasonic.co the manufacturer	-1 Kaminaizen, Sumoto City, Hyog o-bp-ta@ml.jp.panasonic.com com/ww/products/batteries/	<u>A. Humoda</u> H.Kuroda Senior Manager Battery Pack Engineering Department Energy Solutions Business Division SANYO Electric Co., Ltd. go 656-8555, Japan
Manual	l of Tests and Criteria		we declare that	this battery passed UN test. 	
	(38.3 Lithium batteries)		Note	Number of test batteries/cells	
No.	Test item	results			
T 1	Altitude simulation	Pass			
Т2	Thermal test	Pass		First cycle	After 50 cycles
Т3	Vibration	Pass		fully charged	fully charged
Т4	Shock	Pass		4 batteries	4 batteries
Т 5	External short circuit	Pass			
Т 6	Crush	Pass		First cycle 50% charged 5 cells	
Т7	Overcharge	Pass		First cycle,fully charged 4 batteries	After 50 cycles, fully charged 4 batteries
Т 8	Forced discharge	Pass		First cycle, fully discharged 10 cells After 50 cycles, fully discharged 10 cells	
*1 The	test data may contain a	additional	test result other than ab	ove table. battery Specification	
				Description	Note
Watt-hour rating			14 Wh		
Weight			max.120 g		
Physical description			Battery with outer case		
L	Lithium equivalent content		1	.13 g	

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.5A1 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.

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Certificate of Package Drop Test for Lithium ion battery

Customer Model : KNB-45L

Global Code : BJ-C120011AB

Product Name : 2UF103450P-B003B

2. Kunoda

H.Kuroda Senior Manager Battery Pack Engineering Department Energy Solutions Business Division SANYO Electric Co., Ltd.

We declare that this battery passed UN test.

Test item	Test results	Note	
Package Drop Test	Pass	The package shall be dropped from 1.2m high on to a concrete surface (flat and horizontal) with five orientations (drop once a sample); (1)flat on the bottom, (2)flat on the long side, (3)flat on the short side, (4)on the edge, (5)on the corner	

Lithium ion battery Specification

ltem	Nominal value	Note					
Watt-hour rating	14 Wh						
Lithium equivalent content	1.13 g						
Above test procedures are compliant to the following regulation. (Model Regulations ST/SG/AC.10/1/Rev.20, Special Provision188)							