Panasonic

Date:December 22,2015

UN Test Report

Name of Sample	Lithium Ion Battery 2UPF595490-1-T1303
Consignor	SANYO Energy(Suzhou) CO.,LTD
Manufacturer	SANYO Energy(Suzhou) CO.,LTD
Test Method	United Nations "Recomenndations on the TRANSPORT OF DANGEROUS GOODS"
Criterion	United Nations "Recomenndations on the TRANSPORT OF DANGEROUS GOODS"
Appearance	Black rectangular parallelepiped
Test Date	T1-T5 2015/12/8 -2015/12/18 T6 2014/12/12 T7 2015/12/10-2015/12/18 T8 2014/12/15-2014/12/22
Test Items	Altitude simulation, Thermal test, Vibration test, Shock test, External short circuit, Overcharged
Conclusion	The sample has passed the items of UN38.3.
Remark	Certification by Original Cell Model Certification by Original Battery Model
Consignor Address	No.86 Sunwu Road, Xukou, Wuzhong District, Suzhou City, Jiangsu Province 215164, China

Sanyo Energy(Suzou) Co.,Ltd.

A. Kawasumi — Approval

Lenny Hu — Check

Tina Song — Writing

CONFIDENTIAL

Panasonic

E1520453 Dec. 22. 2015

Certificate of UN test for Lithium ion battery

Customer Model : L15S2P01
Global Code : BJ-SH20004AA
Product Name : 2UPF595490-1-T1303

Sanyo Energy (Suzhou) Co., Ltd.
UN評価合格
三洋電機株式会社
小型二次電池事業部
T.Kura Manager

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	Nominal value	Note
Watt-hour rating	35 Wh	
Nominal voltage	7.6 V	
Lithium equivalent content	2.77 g	

Above test procedures are compliant to the following manual.
(Manual of Tests and Criteria ST/AC.10/11, PartIII, sub-section 38.3, Rev.5A1 for cell, Rev.5A1 for battery)