

## UN Test Report

Name of Sample	Lithium Ion Battery 3UPF359191-1-T1391
Consignor	STANDARD(Chongqing) CO.,LTD
Manufacturer	STANDARD(Chongqing) 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 parallelepipid
Test Date	T1-T5 2017/4/12-2017/4/25 T6 2016/03/07 T7 2017/4/11-2017/4/19 T8 2016/03/23-2016/03/30
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.30 GAOYANG ROAD, HECHUAN INDUSTRIAL PARK, CHONGQING, CHINA

Sanyo Energy(Suzou) Co.,Ltd.

*A. Kawamura*

Approval

*Jenny Hu*

Check

*Tina Song*

Writing

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## Certificate of UN test for Lithium ion battery

Customer Model : AP1505L  
 Global Code : BJ-VW30002EA  
 Product Name : 3UPF359191-1-T1391

Sanyo Energy (Suzhou) Co., Ltd.



*T. Kura*  
 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	53.9 Wh	
Nominal voltage	11.55 V	
Lithium equivalent content	4.2 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.5A2 for cell, Rev.5A1 for battery)

## Certificate of Package Drop Test for Lithium ion battery

Customer Model : AP1505L  
 Global Code : BJ-VW30002EA  
 Product Name : 3UPF359191-1-T1391

Sanyo Energy (Suzhou) Co., Ltd.



*T.Kura*  
 T.Kura Manager

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 ) ;

### Lithium ion battery Specification

Item	Nominal value	Note
Watt-hour rating	53.9 Wh	
Nominal voltage	11.55 V	
Lithium equivalent content	4.2 g	

Above test procedures are compliant to the following regulation.  
 (Model Regulations ST/SG/AC.10/1/Rev.19, Special Provision188)