

Certificate of UN test for Lithium ion cell

SANYO Electric Co.,Ltd.
Mobile Energy Company
Lithium-Ion Battery Division


M. Terasaka Senior Manager
Technology Management Department

Sanyo Model : UR18650AY

Manual of Tests and Criteria (38.3 Lithium batteries)		Test results	Note	Number of test cells	
No.	Test item				
T 1	Altitude simulation	Pass		First cycle fully charged 10 cells	First cycle fully Discharged 10 cells
T 2	Thermal test	Pass			
T 3	Vibration	Pass			
T 4	Shock	Pass			
T 5	External short circuit	Pass			
T 6	Impact	Pass		First cycle 50% charged 5 cells for cylindrical cell, 10 cells for prismatic cell, 5 cells for coin cell.	After 50 cycles,fully discharged 5 cells for cylindrical cell, 10 cells for prismatic cel, 5 cells for coin cell.
T 7	Overcharge	—	For battery only	For battery only	
T 8	Forced discharge	Pass		First cycle,fully discharged 10 cells	After 50 cycles,fully discharged 10 cells

Lithium ion cell Specification

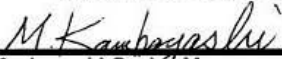
Item	Nominal value	Note
Watt-hour rating	7.8 Wh	

We declare the above : The test result mentioned above was checked according to UN test.
(Manual of Tests and Criteria ST/SG/AC.10/11/Rev. 4, PartIII, sub-section 38. 3)

Certificate of Package Drop Test for Lithium ion cell

Sanyo Model : UR18650AY

SANYO Electric Co.,Ltd.
 Mobile Energy Company
 Battery System Development
 Management Department


 M. Kanbayashi Senior Manager
 Technical Administration Department

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

Lithium ion cell Specification

Item	Nominal value	Note
Watt-hour rating	7.8 Wh	

We declare the above : The test result mentioned above was checked according to UN test.
 (Model Regulations ST/SG/AC. 10/1/Rev.15, Special Provision188)