

Jan. 09. 2009

Certificate of UN test for Lithium ion battery

Customer Model : 42T5232
 Sanyo Model : 3UR18650F-2-LNV-5
 Sanyo Product Code : F164A0059



Manual of Tests and Criteria (38.3 Lithium batteries)	Test results	Note	Number of test batteries		
			First cycle	First cycle fully discharged	After 50 cycles
T 1 Altitude simulation	Pass		First cycle fully charged 4 batteries	After 50 cycles fully discharged 4 batteries	After 50 cycles fully discharged 4 batteries
T 2 Thermal test	Pass		First cycle fully charged 4 batteries	After 50 cycles fully discharged 4 batteries	After 50 cycles fully discharged 4 batteries
T 3 Vibration	Pass		First cycle fully charged 4 batteries	After 50 cycles fully discharged 4 batteries	After 50 cycles fully discharged 4 batteries
T 4 Shock	Pass		First cycle fully charged 4 batteries	After 50 cycles fully discharged 4 batteries	After 50 cycles fully discharged 4 batteries
T 5 External short circuit	Pass		First cycle fully charged 4 batteries	After 50 cycles fully discharged 4 batteries	After 50 cycles fully discharged 4 batteries
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 cell, 5 cells for coin cell.	After 50 cycles, fully discharged 4 batteries
T 7 Overcharge	Pass	For battery only	First cycle fully charged 4 batteries	After 50 cycles, fully charged 4 batteries	After 50 cycles, fully charged 4 batteries
T 8 Forced discharge	-	For cell only	For cell only	For cell only	For cell only

Lithium ion battery Specification

Item	Nominal value	Note
Watt-hour rating	52 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)