

Jan. 09. 2009

Certificate of UN test for Lithium ion battery

Customer Model : 92P1132
 Sanyo Model : 3UR18650F-3-LNV
 Sanyo Product Code : F164A0089

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

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 Technical Administration Department

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

Lithium ion battery Specification

Item	Nominal value	Note
Watt-hour rating	85 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)