

SICHUAN HISUN BATTERY CO., LTD.

SPECIFICATION

То	
Model	JN20H
Code	20H.1
Ver	SPC-16

Fenggu Town, Mianyang City, Sichuan

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	Label	Н	Ø	d	S	Q	L	W		Weight(g)
Ι	Dimensions(mm)	3.1	11.6							1.7
	Tolerances	Max.	Max.							Approx.

1.SYSTEM Rechargeable Ni-MH Button Cells

2.DATA SHEET

Nominal Capacity	20mAh 18mAh	min.	
Nominal Voltage	1.2 V		
Normal Charging	2mA	for 16h	
Trickle Charging	0.6-1 mA	continuous	
Normal Discharging	4mA		
Max.Discharging	20mA	COV0. 9 V	
Discharge cut-off Voltage	1 V		
Temperature Range	0℃~45℃ -10℃~65℃ 0℃~35℃	Charge Discharge Storage	

3. TEST CONDITIONS

Test item	Condition	Specification
Condition for standard operation	The test is carried out with new batteries (within a month after delivery). ambient conditions: Temperature: 20 ± 5 °C Humidity: $65\pm20\%$ Tolerances $\pm5\%$ for voltage and current	
Normal Charge	charging at a constant current of 0.1C(2mA) for 16h.Prior to charging, the cell shall have been discharged at a constant current of 0.2C(4mA), down to a final voltage of 1.0V/cell.	
Open Circuit Voltage (OCV)	After 1 hour normal charge	≥1.25 V
Capacity	The cell shall be charged. After charging, the cell shall be stored for 1h, then the cell shall have been discharged at a constant current of 0.2C(4mA), down to a final voltage of 1.0V/cell. five cycles are permitted for this test.	≥300minutes
0vercharge	Prior to this test, the cell shall be discharged . The cell shall then be charged at a constant current of 0.1C(2mA) for 48h. After this charging operation, the cell shall be stored 1h, The cell shall then be discharged at a constant current of 0.2C(4mA) to a final voltage of 1.0V/cell.	≥255minutes

Charge retention	The ch discha	narged cell is sto arge time is measu	≥225minutes		
	Cycle number	Charge	Rest	Discharge	
	1	2mA x 960min	None	5mAx140 min	
	2-48	5mAx190 min	None	5mAx140 min	
	49	5mAx190 min	None	5mA to 1.0V/cell	
(6)Life	50	2mA x 960min	1-4h	4mA to 1.0V/cell	
expectancy (IEC cycle)	Cycles discha than 3 measur carrie comple give a [IEC6]	s 1 to 50 shall be arge duration on a Bh. At this stage, cement as specifie ed out. The endurar ete when two such a discharge durati 1951-2: (2003)7.4.1	lotal number of cycles ≥500		

4.PRECAUTION

4.1 Never short-circuit or reverse polarity in application.

4.2 Avoid throwing cells into a fire or attempting to disassemble them.

4.3 This is not safety: use the cell without the specified working temperature range, charge and discharge with more than our specified current.

4.4 Do not mix batteries with metal objects during storage or transportation to ϵ

5.Main characteristics of Ni-MH batteries

