

HiModel CO.,LTD

Lithium Polymer Battery 3FP-763496SP-2250mAh 11.1V M3 Testing Report

Time: min Voltage: V Current: mA Capacity: mAh Energy: mWh Resistance: mΩ Temperature: °C

C-CC: constant current charge C-CV: constant voltage D-CC: constant discharge

Ark 3 Channel 3 Bit 1

Test Start Time: 2005-12-5 13:51:22 Test End Time: 2005-12-6 3:59:17

Capacity : 2250

Quality(g) : 176g

The origin of battery: FP

Battery model: 3FP-763496SP

Testing purpose: testing the performance of 1C charge1, 16, 18, 20C discharge

Production No.: M3

Battery No.:

一. Testing system (1C charge 1, 16, 18, 20C discharge)

step:1	status:D_CC
Condition	current : 2200 voltage : 9
step:2	status:REST
Condition	time : 10
step:3	status:C_CV
Condition	time : 90 current : 2200 stop current : 110 voltage : 12.6 Down Voltage : 1
step:4	status:REST
Condition	time : 10
step:5	status:D_CC
Condition	current : 2200 voltage : 8.25
Special V-Points	(1)10.800 (2)10.350 (3)9.900 (4)9.450 (5)9.000
step:6	status:REST
Condition	time : 10
step:7	status:cycle
Condition	cycle start step: 3 cycle end step: 6 cycle times: 2
step:8	status:C_CV
Condition	time : 90 current : 2200 stop current : 110 voltage : 12.6 Down Voltage : 1
step:9	status:REST
Condition	time : 10
step:10	status:D_CC
Condition	current : 35200 voltage : 8.25
Special V-Points	(1)10.350 (2)9.900 (3)9.450 (4)9.000 (5)8.550
step:11	status:REST
Condition	time : 10
step:12	status:cycle
Condition	cycle start step: 8 cycle end step: 11 cycle times: 2
step:13	status:C_CV
Condition	time : 90 current : 2200 stop current : 110 voltage : 12.6 Down Voltage : 1
step:14	status:REST
Condition	time : 10
step:15	status:D_CC
Condition	current : 39600 voltage : 8.25
Special V-Points	(1)10.350 (2)9.900 (3)9.450 (4)9.000 (5)8.550
step:16	status:REST
Condition	time : 10
step:17	status:cycle
Condition	cycle start step: 13 cycle end step: 16 cycle times: 2
step:18	status:C_CV
Condition	time : 90 current : 2200 stop current : 110 voltage : 12.6 Down Voltage : 1
step:19	status:REST
Condition	time : 10
step:20	status:D_CC
Condition	current : 44000 voltage : 8.25
Special V-Points	(1)10.350 (2)9.900 (3)9.450 (4)9.000 (5)8.550
step:21	status:REST
Condition	time : 10
step:22	status:cycle
Condition	cycle start step: 18 cycle end step: 21 cycle times: 2
step:23	status:finish

二. Eigenvalue

#n bit	Cycle	Step	Status	Set Current	Set Voltage	End_V	Mid_V	Capacity	Energy	Time
1	1	5	D_CC	2200.000	8.250	8.165	11.423	2056.039	23480.4	55.83
	2	5	D_CC	2200.000	8.250	8.240	11.413	2050.230	23458.7	55.67
	3	10	D_CC	35200.000	8.250	8.222	10.205	1995.422	20257.8	3.40
	4	10	D_CC	35200.000	8.250	7.443	10.195	1995.422	20196.9	3.40
	5	15	D_CC	39600.000	8.250	8.232	10.024	1935.911	19307.2	2.93
	6	15	D_CC	39600.000	8.250	8.227	9.952	1803.696	17883.4	2.73
	7	20	D_CC	44000.000	8.250	8.064	9.734	1735.556	16782.1	2.37
	8	20	D_CC	44000.000	8.250	7.968	9.588	1588.754	15069.8	2.17

三. Discharge Curve

16C, 18C, 20C Discharge Curves Chart (16C Discharge Temperature: 80°C ; 18C Discharge Temperature: 83°C ; 20C Discharge Temperature: 89°C.)

