

HiModel CO.,LTD

Lithium Polymer Battery 3FP-753480SP-3S1P 1700mAh 11.1V 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 6 Bit 1

Test Start Time: 2005-12-10 17:44:41 Test End Time: 2005-12-11 3:13:34

Capacity : 1700mAh Quality(g) : 146g

The origin of battery: FP

Battery model: FP-753480SP-3S1P

Testing purpose: testing the performance of 1C charge1, 10, 12, 15, 16C discharge

Production No.: M4

Battery No.:

一. Testing system (1C charge 1, 10, 12, 15, 16C discharge)

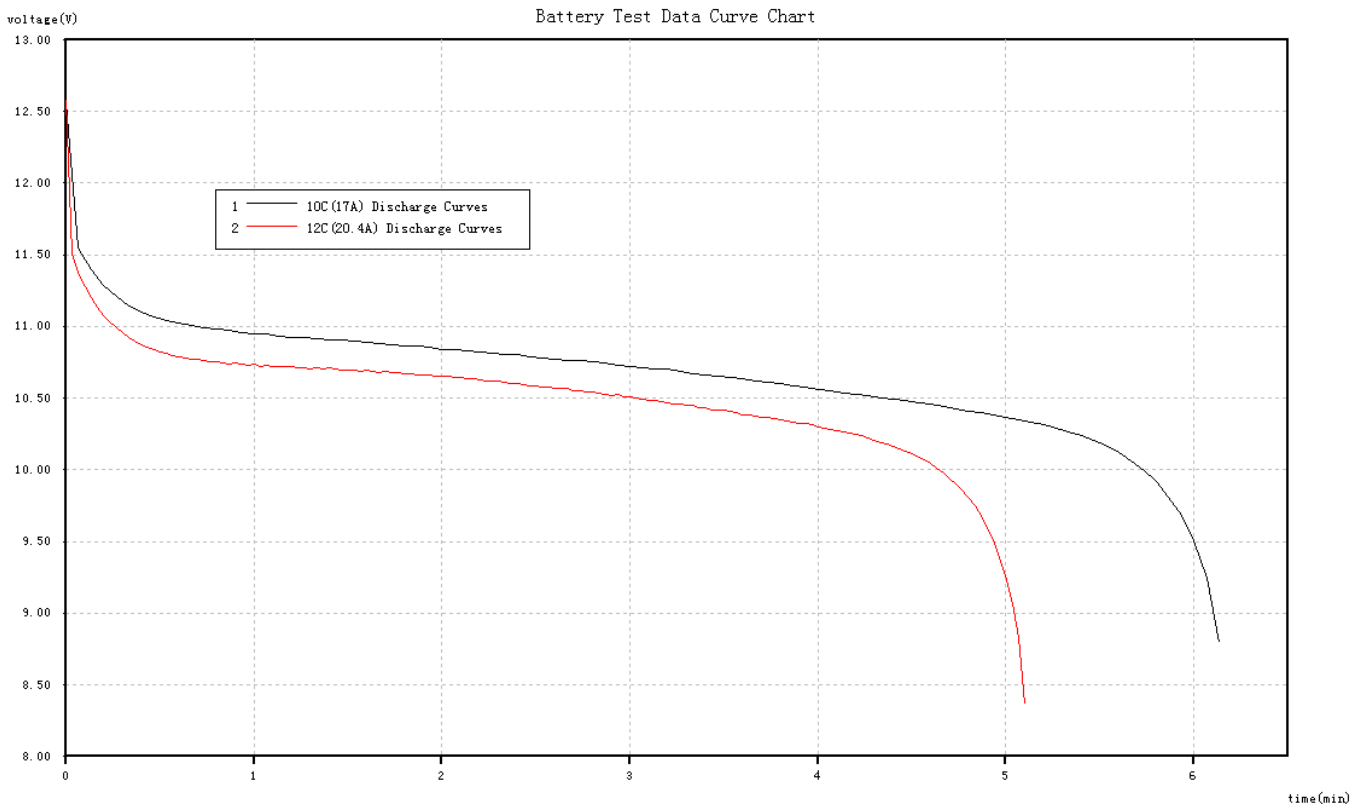
step:1	status:D_CC
Condition	current : 1700 voltage : 9
step:2	status:REST
Condition	time : 10
step:3	status:C_CV
Condition	time : 90 current : 1700 stop current : 85 voltage : 12.6 Down Voltage. : 1
step:4	status:REST
Condition	time : 10
step:5	status:D_CC
Condition	current : 1700 voltage : 8.25
Special 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:C_CV
Condition	time : 90 current : 1700 stop current : 85 voltage : 12.6 Down Voltage. : 1
step:8	status:REST
Condition	time : 10
step:9	status:D_CC
Condition	current : 17000 voltage : 8.25
Special V-Points	(1)10.350 (2)9.900 (3)9.450 (4)9.000 (5)8.550
step:10	status:REST
Condition	time : 10
step:11	status:C_CV
Condition	time : 90 current : 1700 stop current : 85 voltage : 12.6 Down Voltage. : 1
step:12	status:REST
Condition	time : 10
step:13	status:D_CC
Condition	current : 20400 voltage : 8.25
Special V-Points	(1)10.350 (2)9.900 (3)9.450 (4)9.000 (5)8.550
step:14	status:REST
Condition	time : 10
step:15	status:C_CV
Condition	time : 90 current : 1700 stop current : 85 voltage : 12.6 Down Voltage. : 1
step:16	status:REST
Condition	time : 10
step:17	status:D_CC
Condition	current : 25500 voltage : 8.25
Special V-Points	(1)10.350 (2)9.900 (3)9.450 (4)9.000 (5)8.550
step:18	status:REST
Condition	time : 10
step:19	status:C_CV
Condition	time : 90 current : 1700 stop current : 85 voltage : 12.6 Down Voltage. : 1
step:20	status:REST
Condition	time : 10
step:21	status:D_CC
Condition	current : 27200 voltage : 8.25
Special V-Points	(1)10.350 (2)9.900 (3)9.450 (4)9.000 (5)8.550
step:22	status:REST
Condition	time : 10
step:23	status:finish

二. Eigenvalue

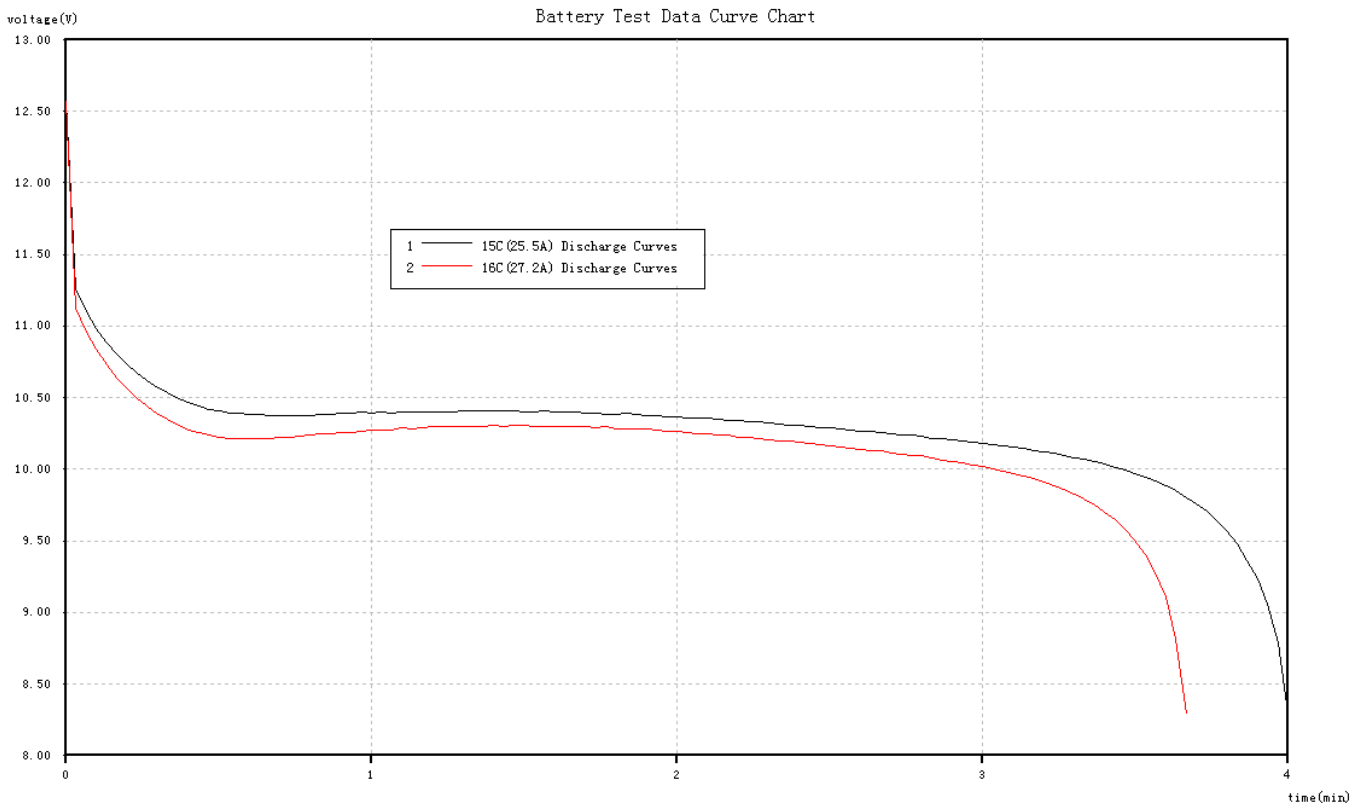
#n bit	Cycle	Step	Status	Set Current	Set Voltage	End_V	Mid_V	Capacity	Energy	Time
1	1	5	D_CC	1700.000	8.250	8.212	11.483	1771.074	20370.0	62.50
		9	D_CC	17000.000	8.250	7.381	10.710	1756.633	18795.9	6.20
		13	D_CC	20400.000	8.250	7.550	10.577	1745.229	18377.3	5.13
		17	D_CC	25500.000	8.250	7.662	10.364	1713.763	17673.5	4.03
		21	D_CC	27200.000	8.250	7.832	10.280	1676.963	17146.1	3.70

三. Discharge Curve

10C, 12C Discharge Curves Chart (10C Discharge Temperature: 69°C ; 12C Discharge Temperature: 73°C .)



15C, 16C Discharge Curves Chart (15C Discharge Temperature: 82°C ; 16C Discharge Temperature: 85°C .)



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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 6 Bit 1

Test Start Time: 2005-12-11 8:45:47 Test End Time: 2005-12-11 16:36:20

Capacity : 1700mAh Quality(g) : 146g

The origin of battery: FP

Battery model: FP-753480SP-3S1P

Testing purpose: testing the performance of 1C charge1, 18, 20, 22C discharge

Production No.: M4

Battery No.:

一. Testing system (1C charge 1, 18, 20, 22C discharge)

step:1	status:D_CC
Condition	current : 1700 voltage : 9
step:2	status:REST
Condition	time : 10
step:3	status:C_CV
Condition	time : 90 current : 1700 stop current : 85 voltage : 12.6 Down Voltage. : 1
step:4	status:REST
Condition	time : 10
step:5	status:D_CC
Condition	current : 1700 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:C_CV
Condition	time : 90 current : 1700 stop current : 85 voltage : 12.6 Down Voltage. : 1
step:8	status:REST
Condition	time : 10
step:9	status:D_CC
Condition	current : 30600 voltage : 8.25
Special V-Points	(1)10.350 (2)9.900 (3)9.450 (4)9.000 (5)8.550
step:10	status:REST
Condition	time : 10
step:11	status:C_CV
Condition	time : 90 current : 1700 stop current : 85 voltage : 12.6 Down Voltage. : 1
step:12	status:REST
Condition	time : 10
step:13	status:D_CC
Condition	current : 34000 voltage : 8.25
Special V-Points	(1)10.350 (2)9.900 (3)9.450 (4)9.000 (5)8.550
step:14	status:REST
Condition	time : 10
step:15	status:C_CV
Condition	time : 90 current : 1700 stop current : 85 voltage : 12.6 Down Voltage. : 1
step:16	status:REST
Condition	time : 10
step:17	status:D_CC
Condition	current : 37400 voltage : 8.25
Special V-Points	(1)10.350 (2)9.900 (3)9.450 (4)9.000 (5)8.550
step:18	status:REST
Condition	time : 10
step:19	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	1700.000	8.250	8.187	11.442	1731.852	19861.6	60.87
		9	D_CC	30600.000	8.250	7.763	10.144	1668.089	16775.9	3.27
		13	D_CC	34000.000	8.250	7.858	10.003	1605.241	15918.3	2.83
		17	D_CC	37400.000	8.250	7.972	9.850	1537.863	14988.5	2.47

三. Discharge Curve

18C,20, 22C Discharge Curves Chart (18C Discharge Temperature: 88°C ; 20C Discharge Temperature: 90°C ; 22C Discharge Temperature: 91°C ;)

