

# HIMODEL FP SERIES BATTERY

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 4 Bit 1

Test Start Time: 2005-11-28 10:03:35 Test End Time : 2005-12-13 10:42:40

Capacity: 2200mAh

Quality(g): 56g Origin:

Model: FP-763496SP-2200mAh 3.7V

Purpose: Discharge 12C Capacity test under charge 1C

Product batch:

Battery No:

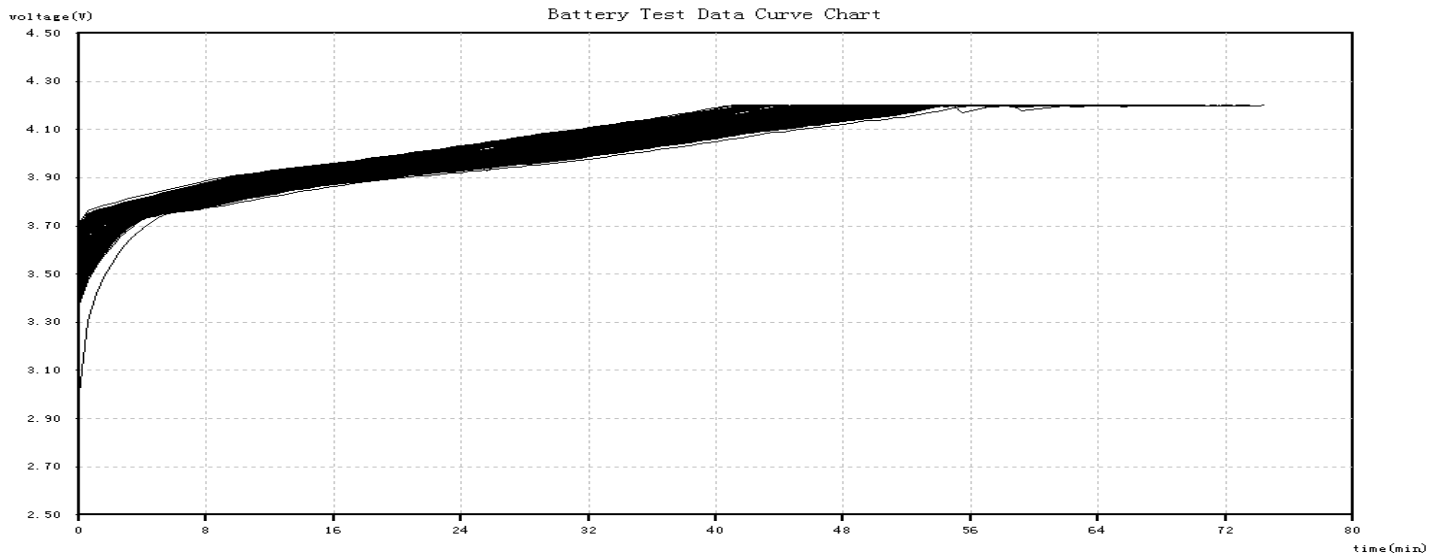
## 1C Charge, 12C Discharge Capacity

step:1	status:D_CC
Condition	current : 2200 voltage : 3
step:2	status:REST
Condition	time : 10
step:3	status:C_CV
Condition	time : 90 current : 2200 stop current : 110 voltage : 4.2 Down Voltage : 1
step:4	status:REST
Condition	time : 10
step:5	status:D_CC
Condition	current : 2200 voltage : 2.75
Special V-Points	(1)3.600 (2)3.450 (3)3.300 (4)3.150 (5)3.000
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 : 4.2 Down Voltage : 1
step:9	status:REST
Condition	time : 10
step:10	status:D_CC
Condition	current : 26400 voltage : 2.75
Special V-Points	(1)3.450 (2)3.300 (3)3.150 (4)3.000 (5)2.850
step:11	status:REST
Condition	time : 10
step:12	status:cycle
Condition	cycle start step: 8 cycle end step: 11 cycle times: 300
step:13	status:finish

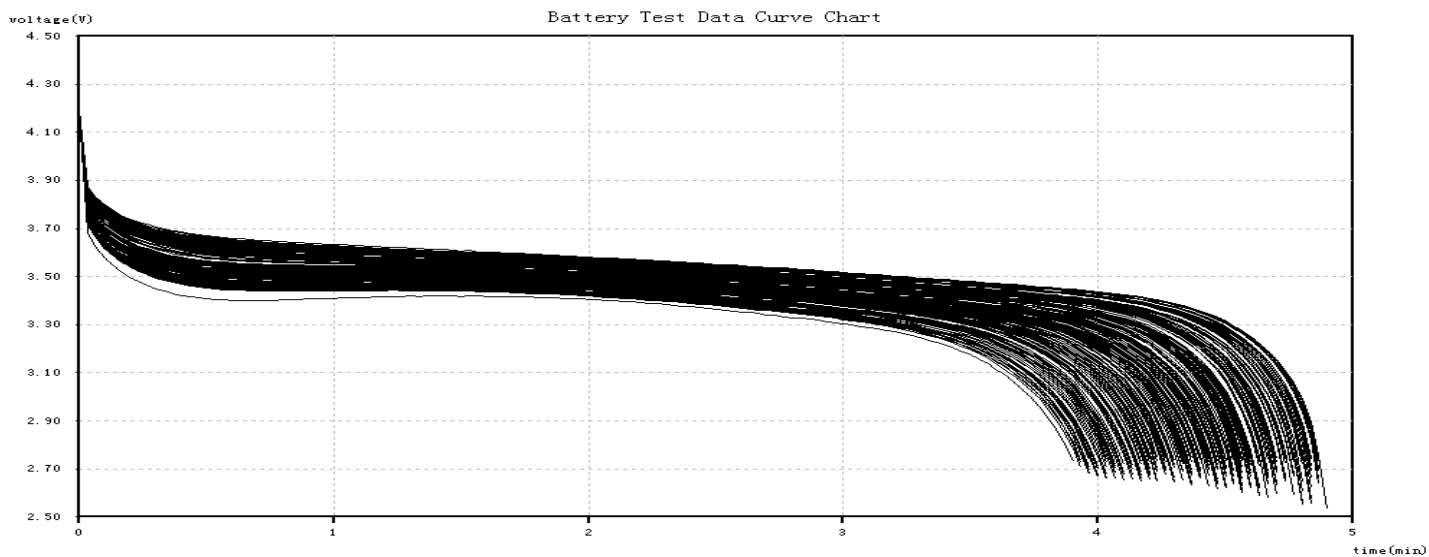
#n bit	Cycle	Step	Status	Set Current	Set Voltage	Start_V	End_V	Mid_V	Capacity	Energy	Average_R	Time
1	1	5	D_CC	2200.000	2.750	4.186	2.720	3.844	2192.340	8387.72	6.10	59.70
1	2	5	D_CC	2200.000	2.750	4.191	2.711	3.845	2194.980	8448.83	6.09	59.80
1	3	10	D_CC	26400.000	2.750	4.191	2.535	3.554	2156.000	7628.16	5.74	4.90
1	4	10	D_CC	26400.000	2.750	4.191	2.731	3.555	2141.493	7590.75	5.80	4.87
1	5	10	D_CC	26400.000	2.750	4.190	2.699	3.554	2141.453	7589.69	5.77	4.87
1	8	10	D_CC	26400.000	2.750	4.191	2.637	3.556	2141.507	7592.17	5.89	4.87
1	10	10	D_CC	26400.000	2.750	4.191	2.738	3.552	2127.053	7532.59	5.90	4.83
1	20	10	D_CC	26400.000	2.750	4.190	2.645	3.547	2112.480	7471.19	6.07	4.80
1	30	10	D_CC	26400.000	2.750	4.187	2.745	3.535	2082.824	7337.90	6.18	4.73
1	40	10	D_CC	26400.000	2.750	4.191	2.742	3.539	2068.470	7297.11	6.28	4.70
1	50	10	D_CC	26400.000	2.750	4.191	2.740	3.536	2053.613	7236.05	6.33	4.67
1	60	10	D_CC	26400.000	2.750	4.187	2.728	3.528	2039.117	7167.66	6.48	4.63
1	70	10	D_CC	26400.000	2.750	4.191	2.739	3.504	2024.460	7052.80	6.52	4.60
1	90	10	D_CC	26400.000	2.750	4.188	2.648	3.498	1994.956	6929.04	6.78	4.53
1	100	10	D_CC	26400.000	2.750	4.184	2.626	3.492	1980.450	6864.65	6.88	4.50
1	110	10	D_CC	26400.000	2.750	4.185	2.729	3.489	1951.002	6766.13	6.85	4.43
1	120	10	D_CC	26400.000	2.750	4.186	2.736	3.483	1936.373	6701.69	6.88	4.40
1	130	10	D_CC	26400.000	2.750	4.188	2.674	3.473	1936.080	6671.54	6.95	4.40
1	140	10	D_CC	26400.000	2.750	4.188	2.740	3.473	1906.798	6578.71	6.98	4.33
1	150	10	D_CC	26400.000	2.750	4.190	2.735	3.474	1892.430	6531.95	7.08	4.30
1	160	10	D_CC	26400.000	2.750	4.188	2.700	3.465	1877.760	6459.15	7.20	4.27
1	170	10	D_CC	26400.000	2.750	4.188	2.742	3.469	1848.420	6369.78	7.22	4.20
1	180	10	D_CC	26400.000	2.750	4.188	2.686	3.469	1833.611	6315.73	7.32	4.17
1	190	10	D_CC	26400.000	2.750	4.189	2.653	3.459	1818.942	6243.94	7.42	4.13
1	200	10	D_CC	26400.000	2.750	4.189	2.703	3.440	1789.611	6107.24	7.50	4.07

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## 1C Charge Curve



## 12C Discharge Curve



## 12C, Discharge Capacity

