

1. General

1.1 Scope

This specification applies to type

: US613143N2Y Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US613143N

1.2.2 Model Number : US613143N2Y

1.2.3 Code : 49925910

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer

1.3.2 Size : Thickness 6.1 mm max
Width 30.9 mm max
Length(without Tab) 43 mm max

1.3.3 Weight : 17.9 g (typical)

1.4 Reference test current

1.0 ItA: 1080 mA

1.5 Safety Regulation

Murata acquired UL1642

2. Performance

at room temperature, 2.5V cut off

Nominal Capacity (0.2ItA discharge)	1130mAh	average capacity 3.63 V (average discharge voltage)
	4.1 Wh	
Rated Capacity (0.2ItA discharge)	1080mAh	minimum capacity
	3.89 Wh	
Capacity at 0.5ItA	1100mAh	average capacity
	3.93 Wh	
Capacity at 1.0ItA	1079mAh	average capacity
	3.77 Wh	
Nominal Voltage	3.6 V	
Internal Impedance	60 mΩ	measured by AC1 kHz
Cycle Performance	75% of minimum capacity at 300 cycles	0.5 ItA discharge rate

***Standard Charge Condition**

Charge Method : constant current / constant voltage

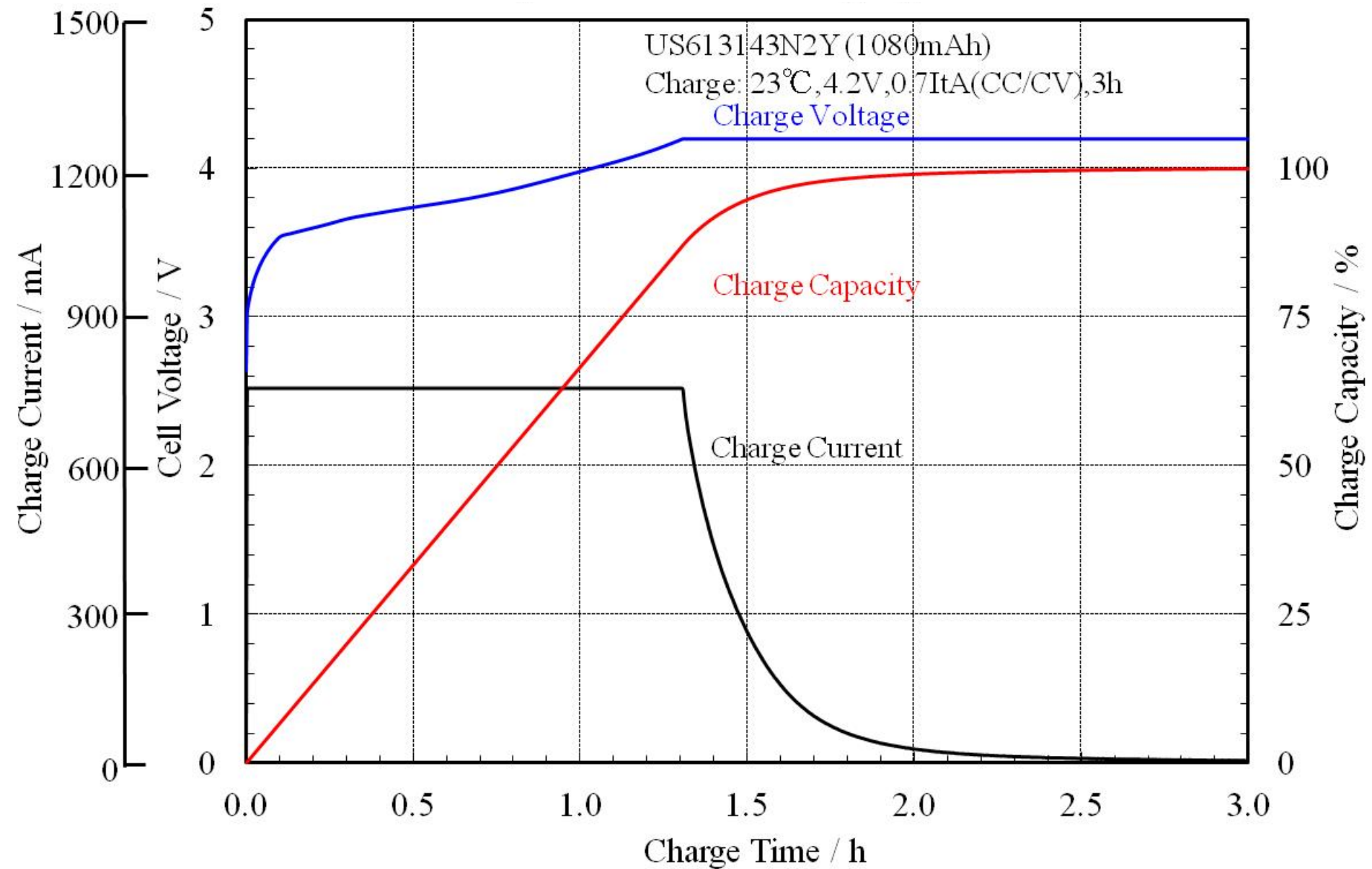
Charge Up Voltage : 4.2 ± 0.05 V

Charge Current : 0.756 A

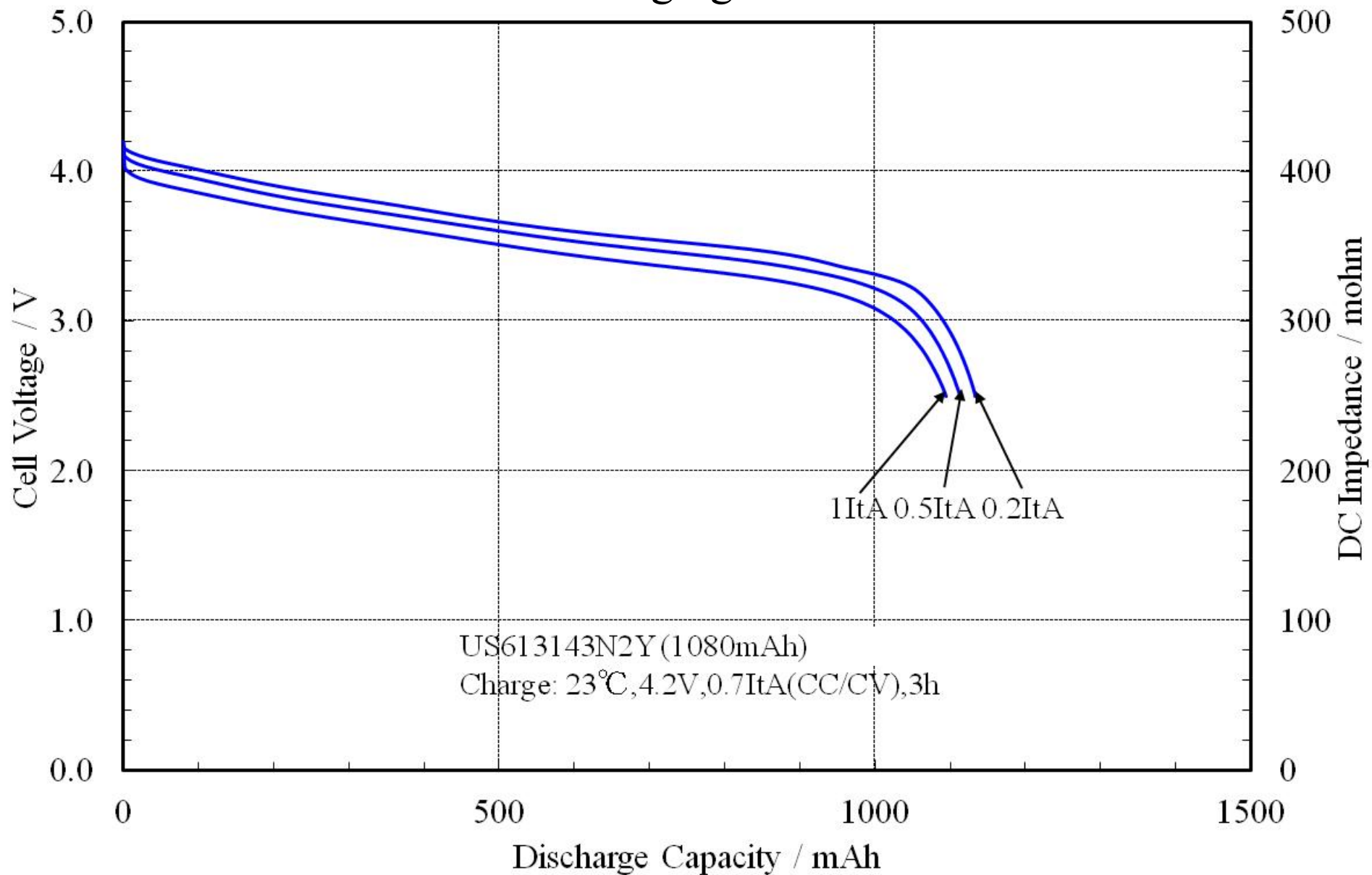
Charge Cut off Current : 3 h

Ambiance Temperature : 23 °C

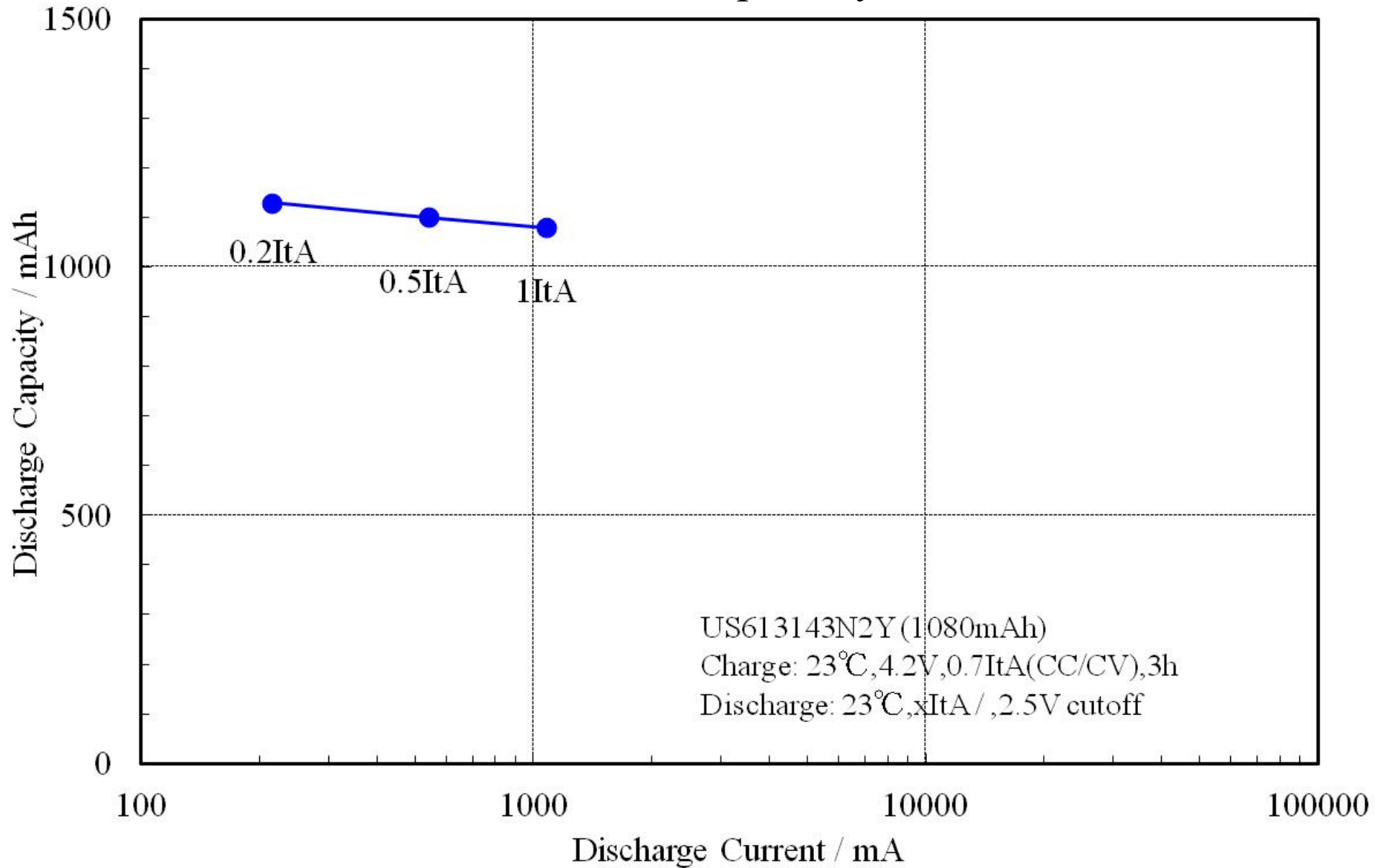
Charging Profile



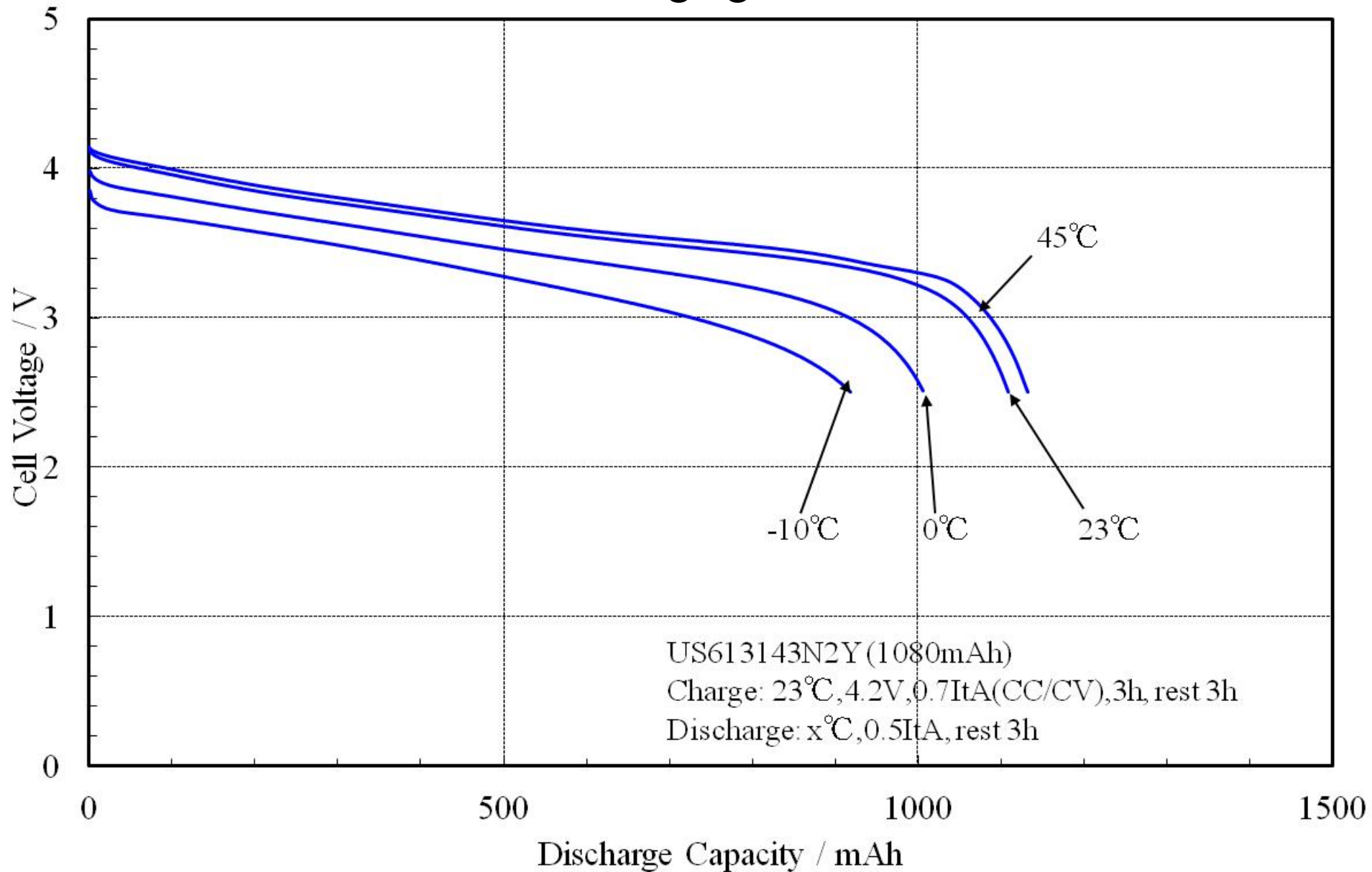
Discharging Profile



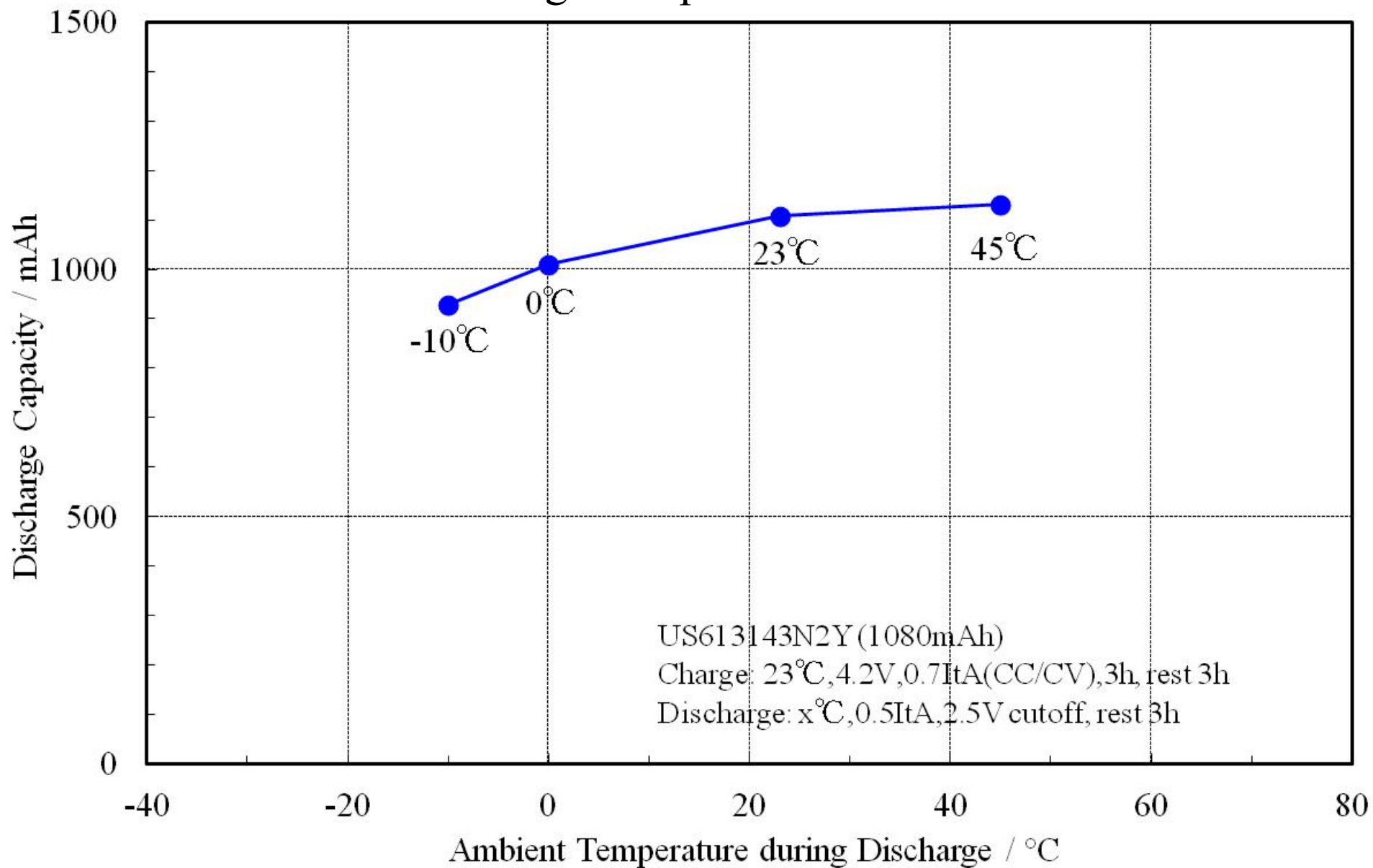
Drain Capability



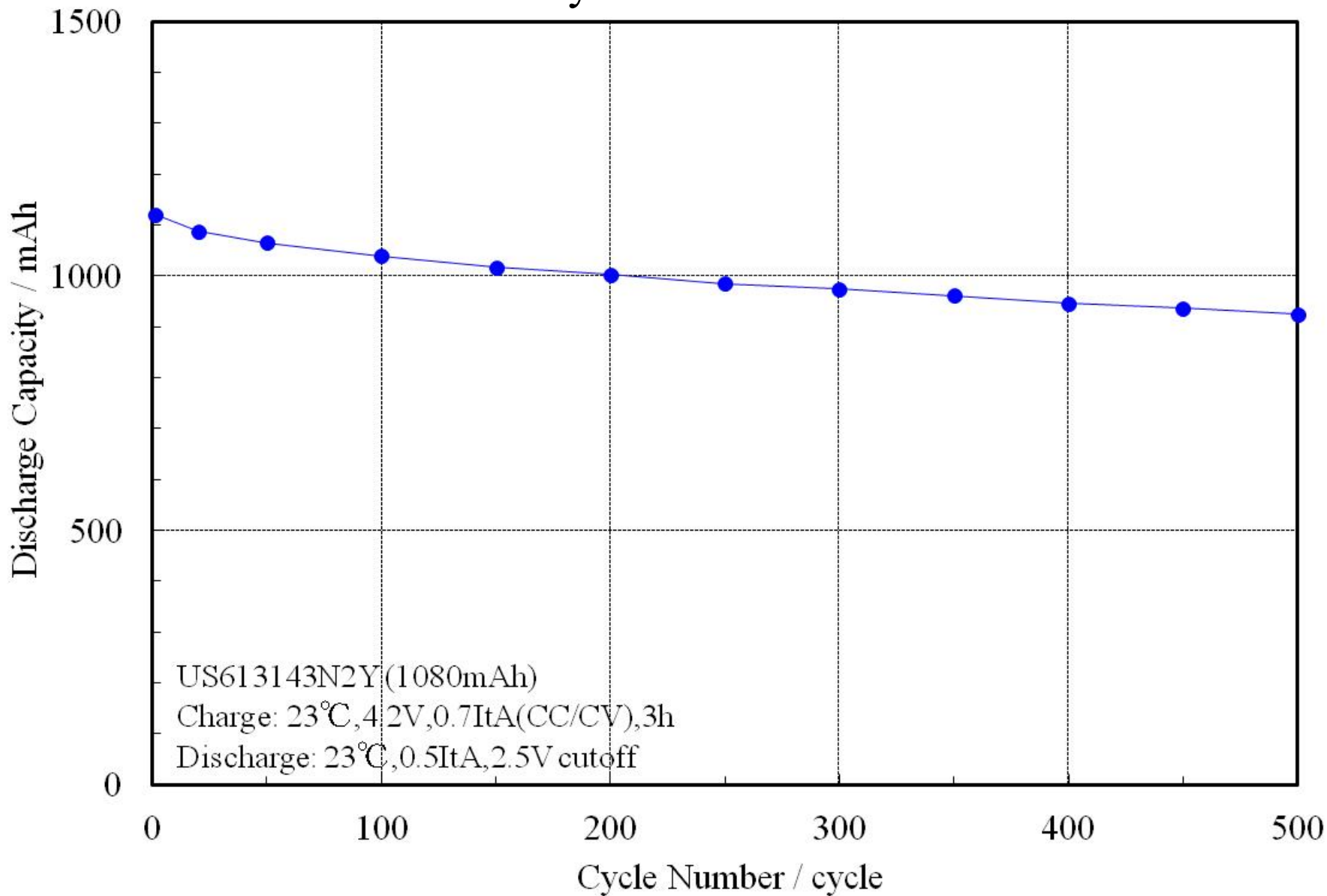
Discharging Profile



Discharge Temperature Performance



Cycle Performance



Cell Size (US613143N2Y)

