1. General

1.1 Scope

This specification applies to type
: US634038A10S Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US634038
1.2.2 Model Number : US634038A10S
1.2.3 Code : 49943642

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer
1.3.2 Size : Thickness 6.3 mm max
Width 39.32 mm max
Length(without Tab) 37.85 mm max
1.3.3 Weight : 19.6 g (typical)

1.4 Reference test current

1.0 ItA: 1110 mA

1.5 Safety Regulation

Murata acquired UL1642

2. Performance

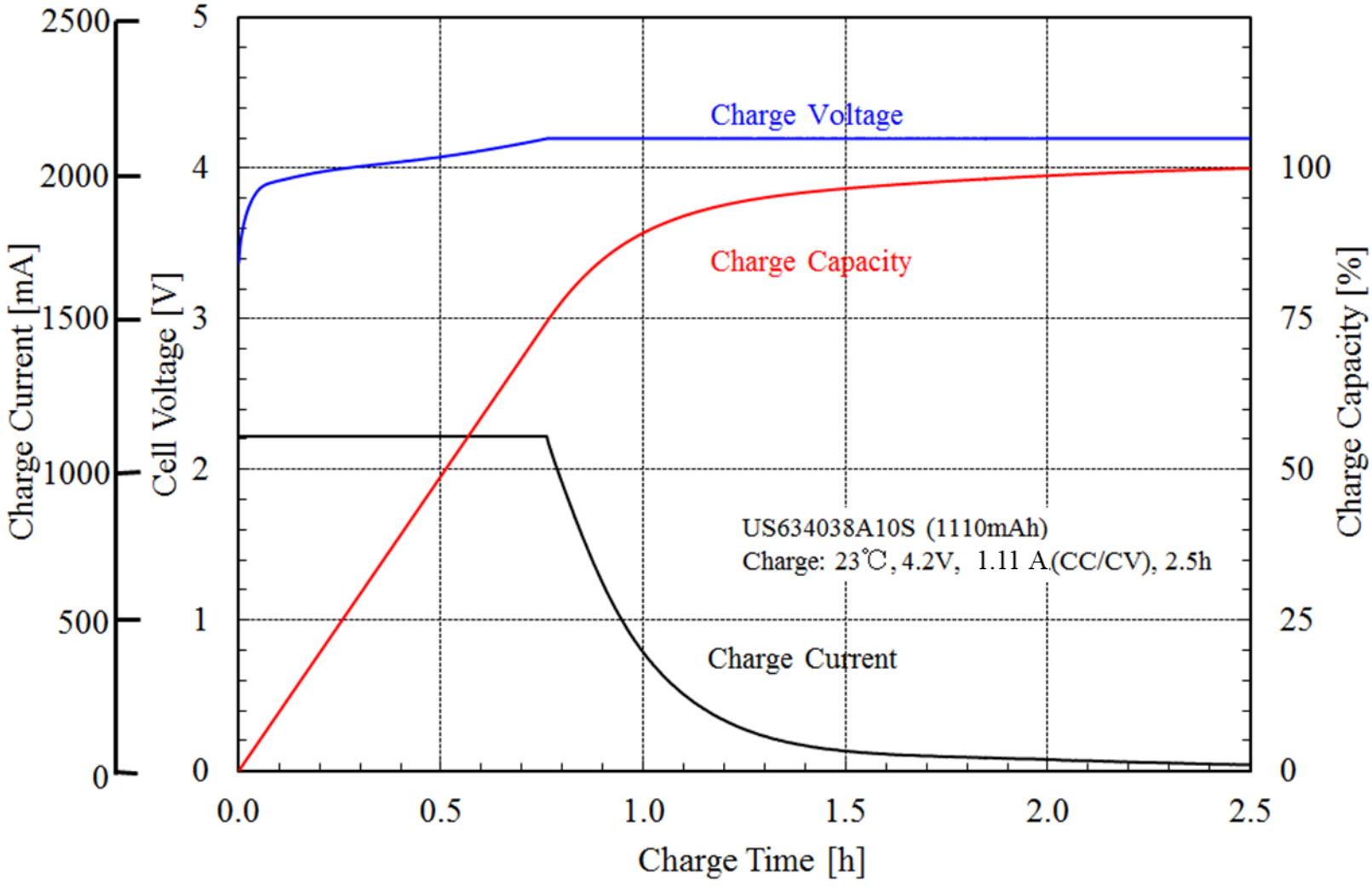
at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	1145mAh	average capacity 3.7 V (average discharge voltage)
	4.23 Wh	
Rated Capacity (0.2ItA discharge)	1110mAh	minimum capacity
	4.1 Wh	
Capacity at 0.5ItA	1087mAh	average capacity
	4.02 Wh	
Capacity at 1.0ItA	1044mAh	average capacity
	3.85 Wh	
Nominal Voltage	3.7 V	
Internal Impedance	60 mΩ	measured by AC1 kHz
Cycle Performance	80% of Initial capacity at 500 cycles	0.5 ItA discharge rate

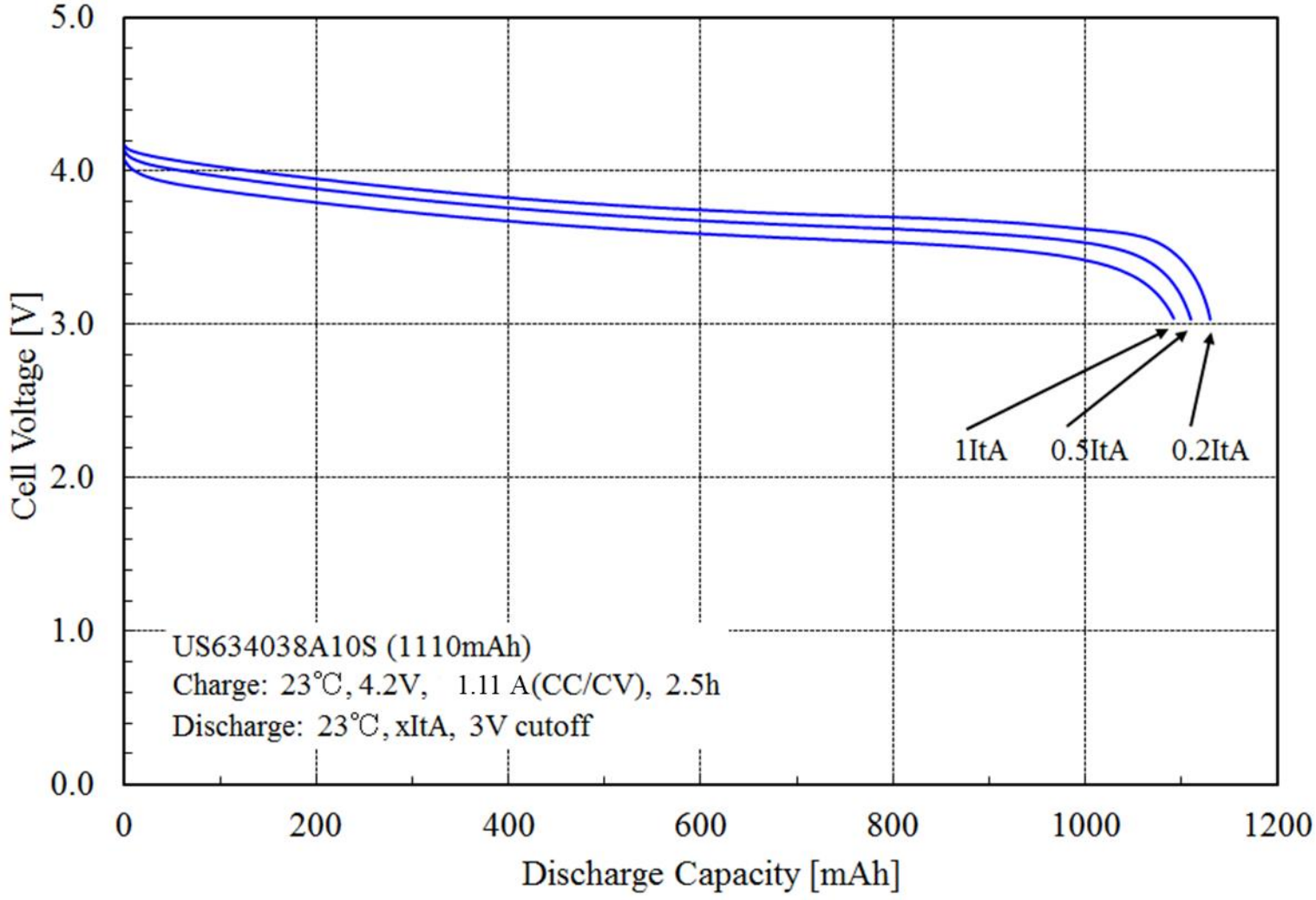
*Standard Charge Condition

Charge Method : constant current / constant voltage
Charge Up Voltage : 4.2 ± 0.05 V
Charge Current : 1.11 A
Charge Time : 2.5 h
Ambiance Temperature : 23 ℃

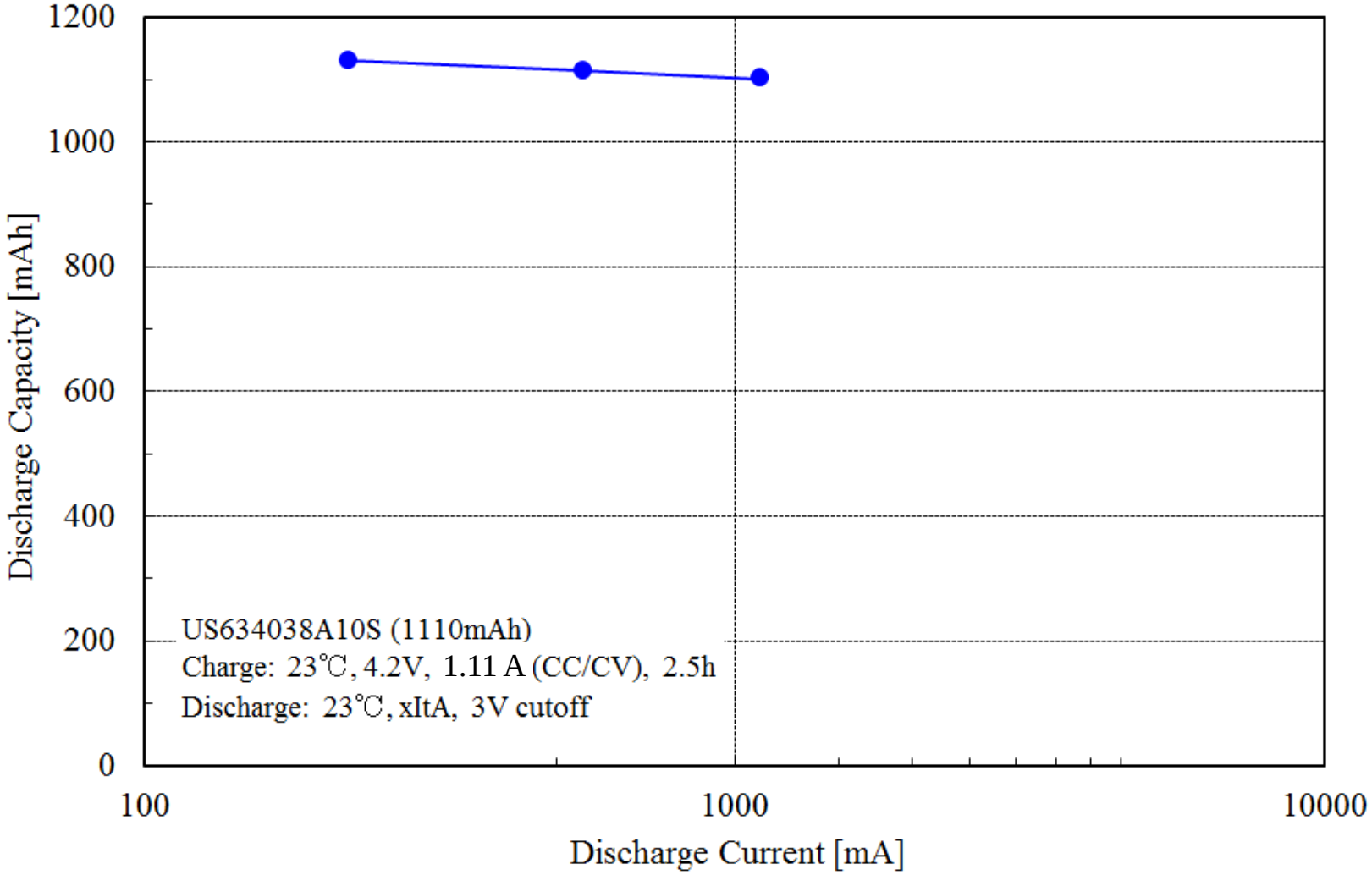
Charging Profile



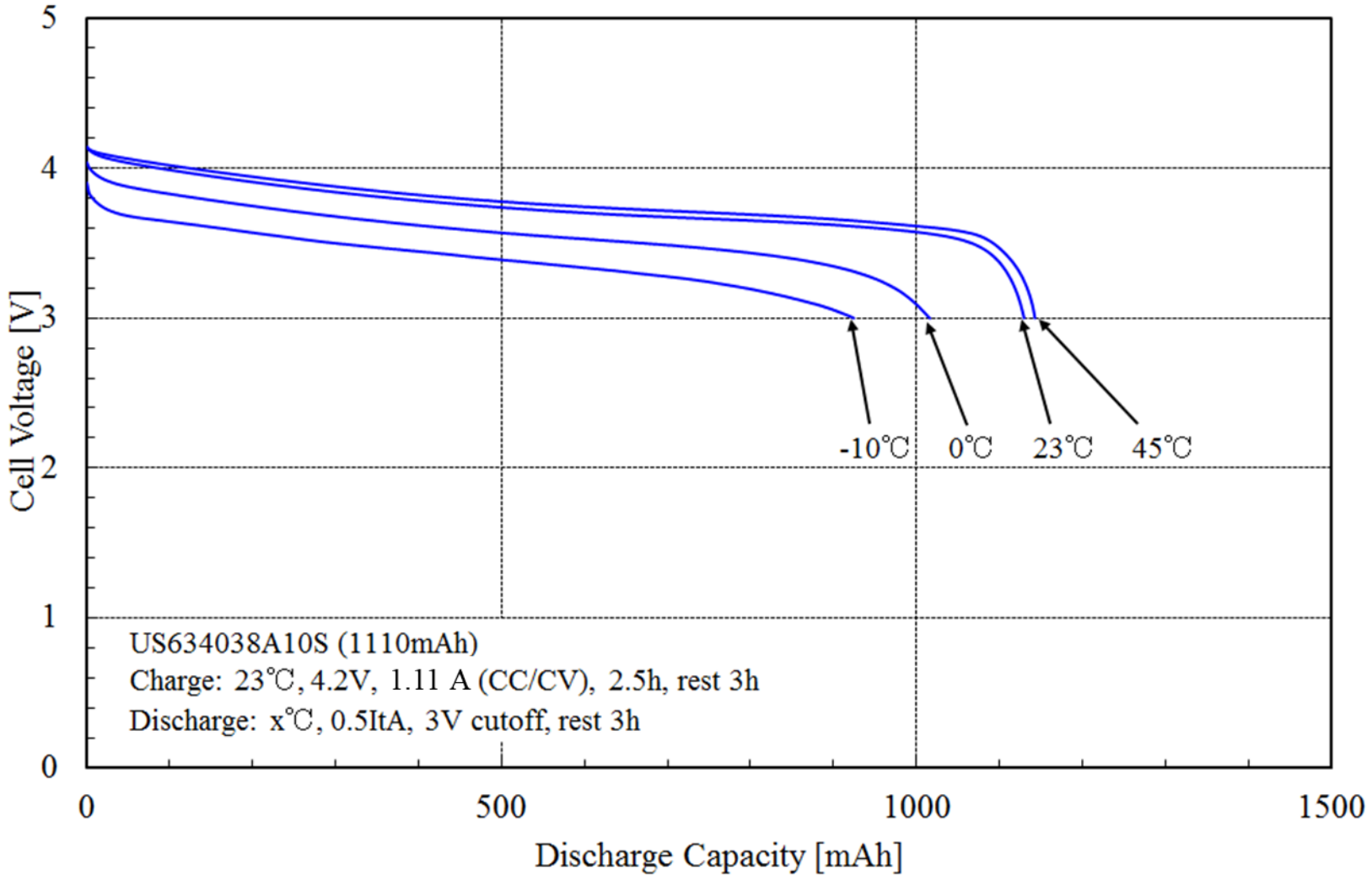
Discharging Profile



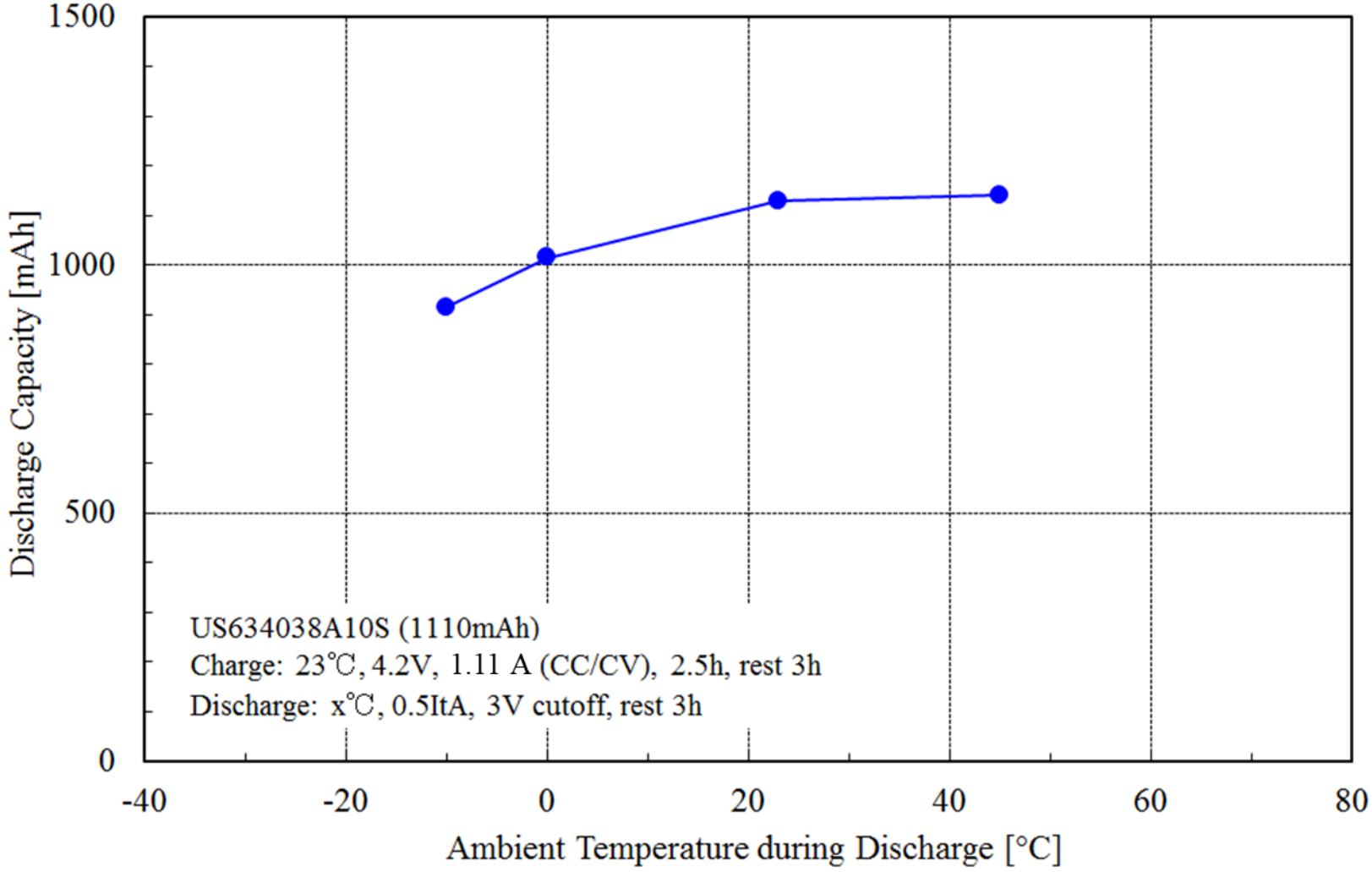
Drain Capability



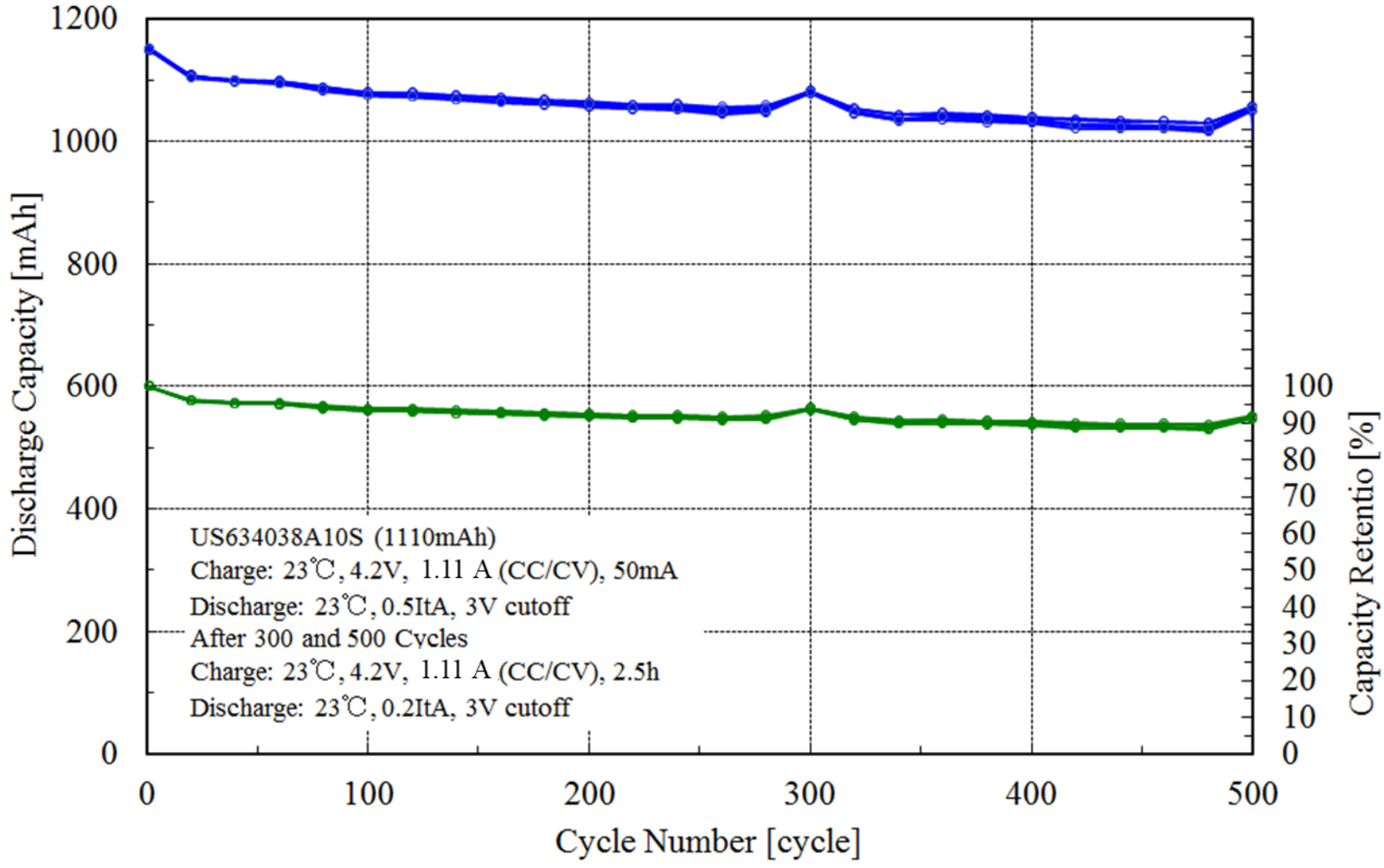
Discharging Profile



Discharge Temperature Performance



Cycle Performance



Cell Size（ US634038A10S）

