

1. General

1.1 Scope

This specification applies to type
: US386587BH7 Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US386587BH7

1.2.2 Model Number : US386587BH7

1.2.3 Code : 49943629

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer

1.3.2 Size : Thickness 3.75 mm max
Width 64.95 mm max
Length(without Tab) 86.96 mm max

1.3.3 Weight : 51.5 g (typical)

1.4 Reference test current

1.0 ItA: 3670 mA

1.5 Safety Regulation

Murata acquired UL1642

2. Performance

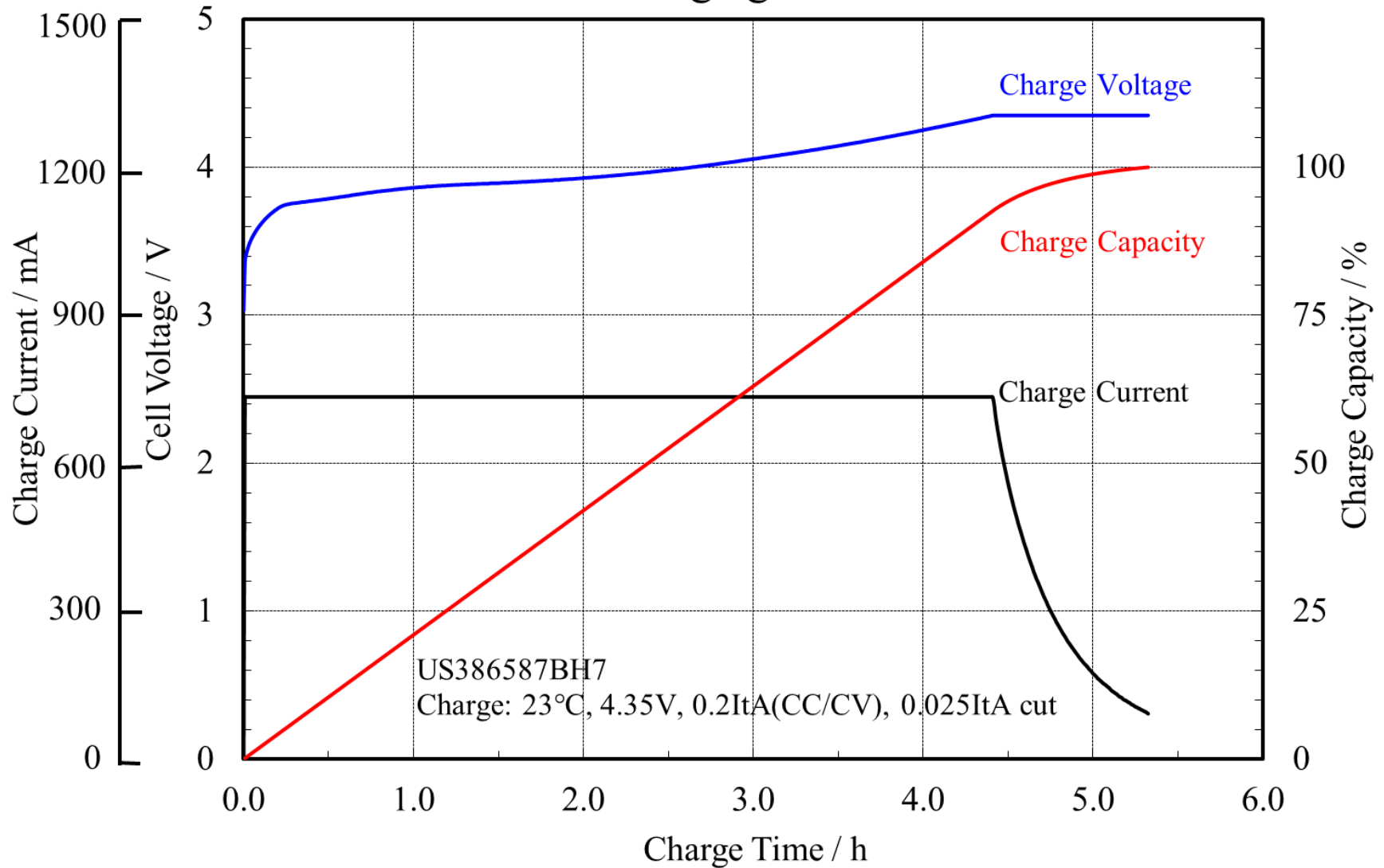
at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	3560mAh	average capacity 3.80 V (average discharge voltage)
	13.71 Wh	
Rated Capacity (0.2ItA discharge)	3485mAh	minimum capacity
	13.24 Wh	
Capacity at 0.5ItA	3458mAh	average capacity
	12.83 Wh	
Capacity at 1.0ItA	3341mAh	average capacity
	11.93 Wh	
Nominal Voltage	3.8 V	
Internal Impedance	26.5 mΩ	measured by AC1 kHz
Cycle Performance	80% of Initial capacity at 500 cycles	0.7 ItA discharge rate

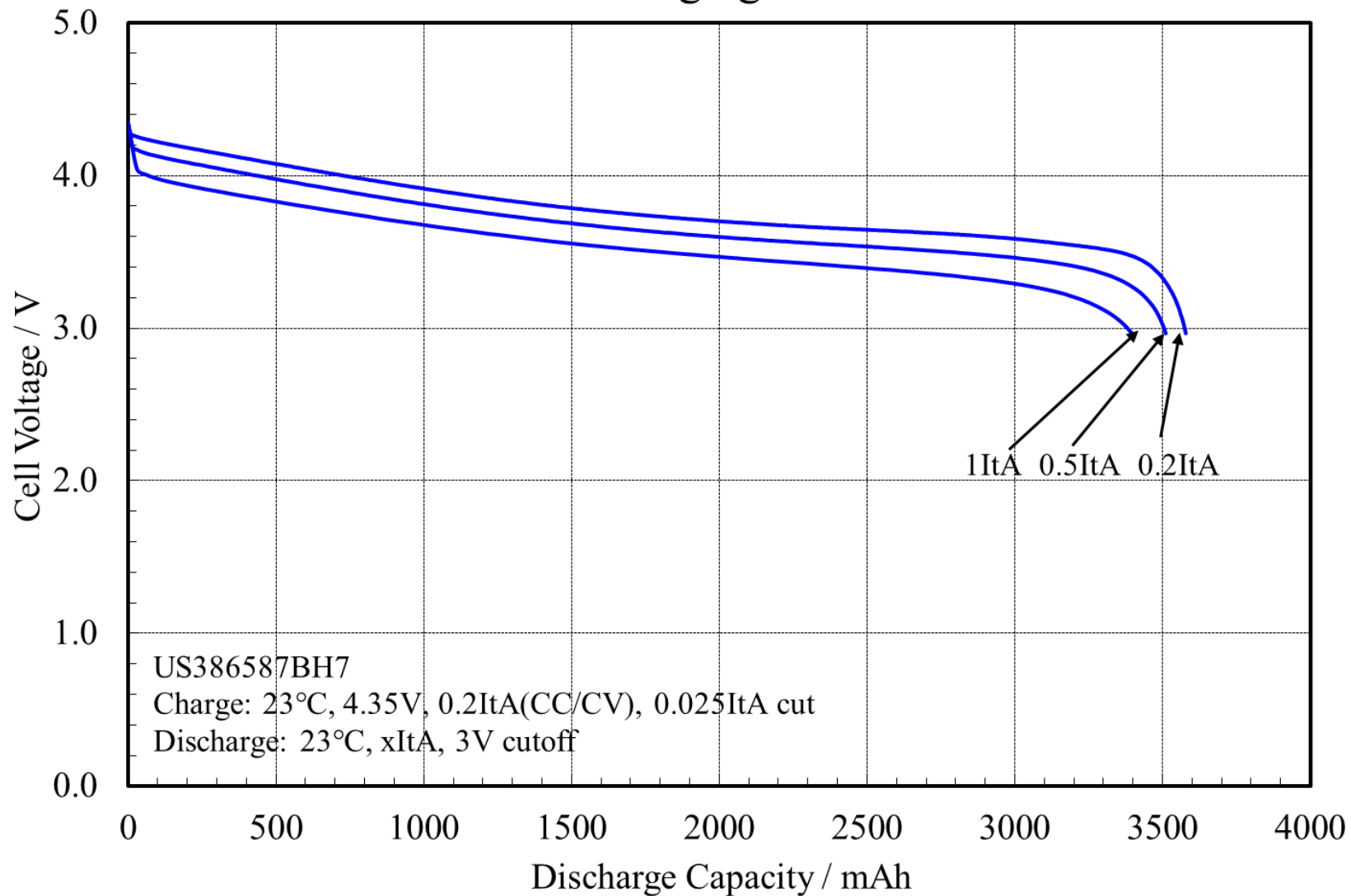
* Standard Charge Condition

Charge Method : constant current / constant voltage
Charge Up Voltage : 4.35 V ± 0.05V
Charge Current : 0.734 A
Charge Cut off Current : 92 mA
Ambiance Temperature : 23 °C

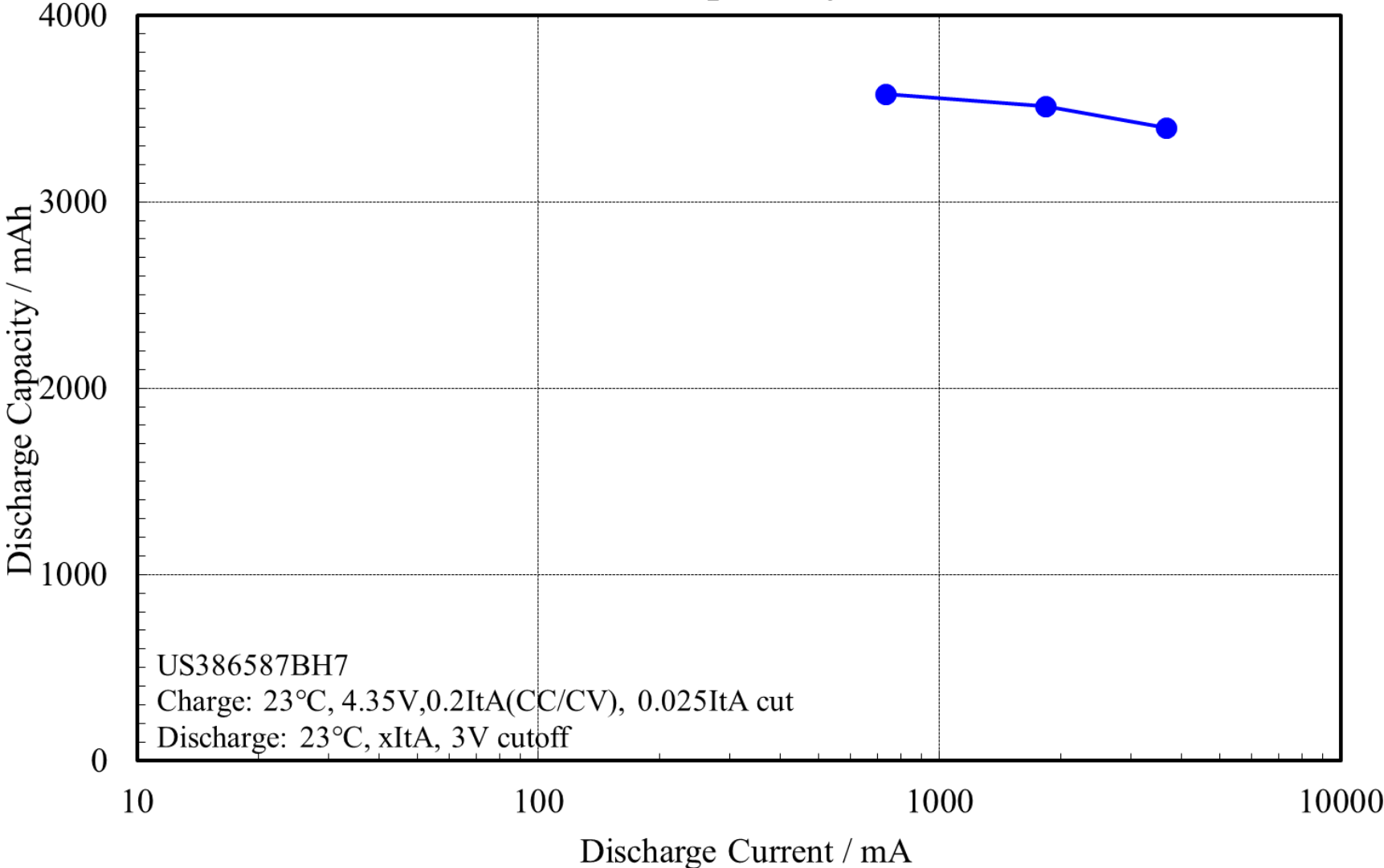
Charging Profile



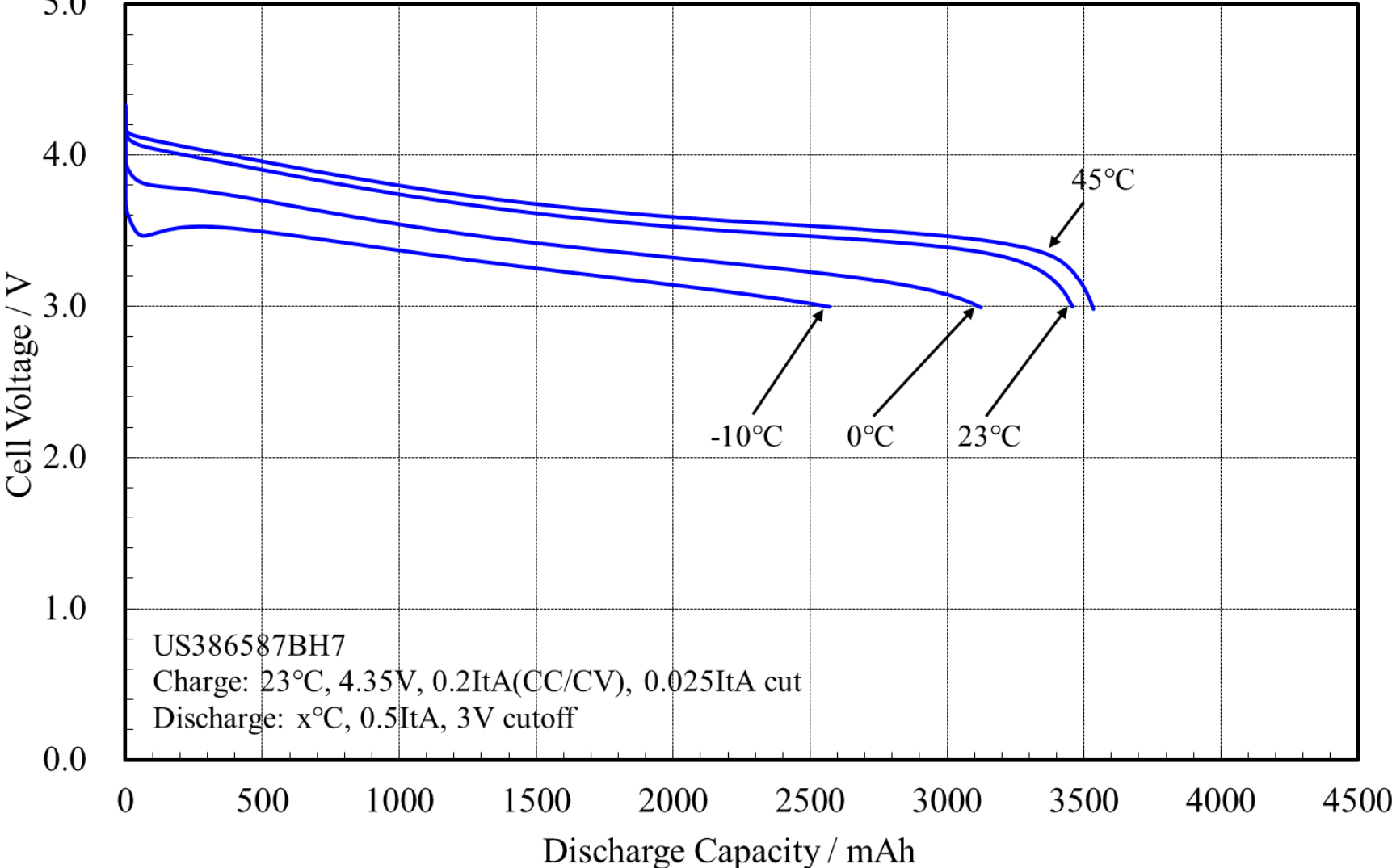
Discharging Profile



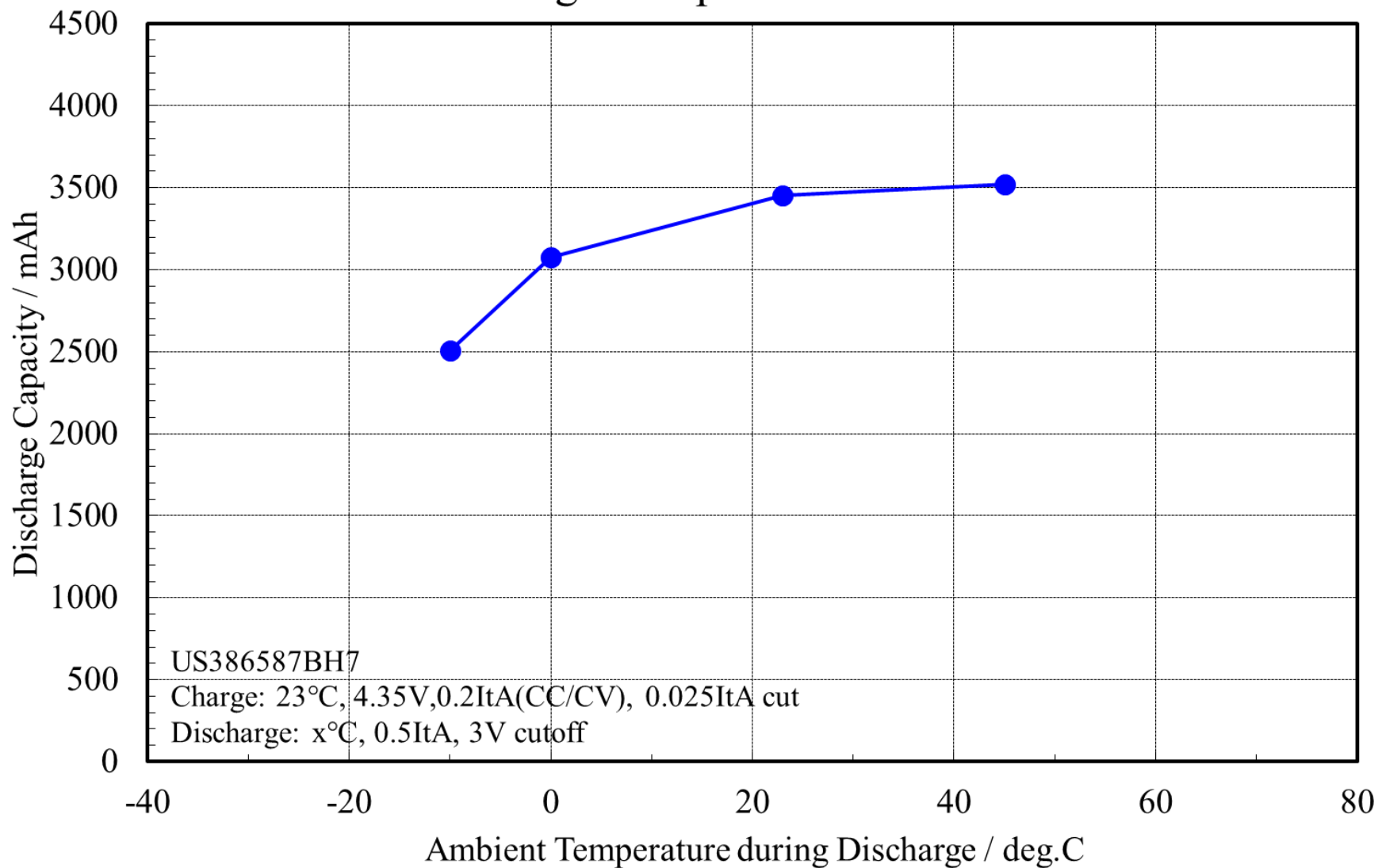
Drain Capability



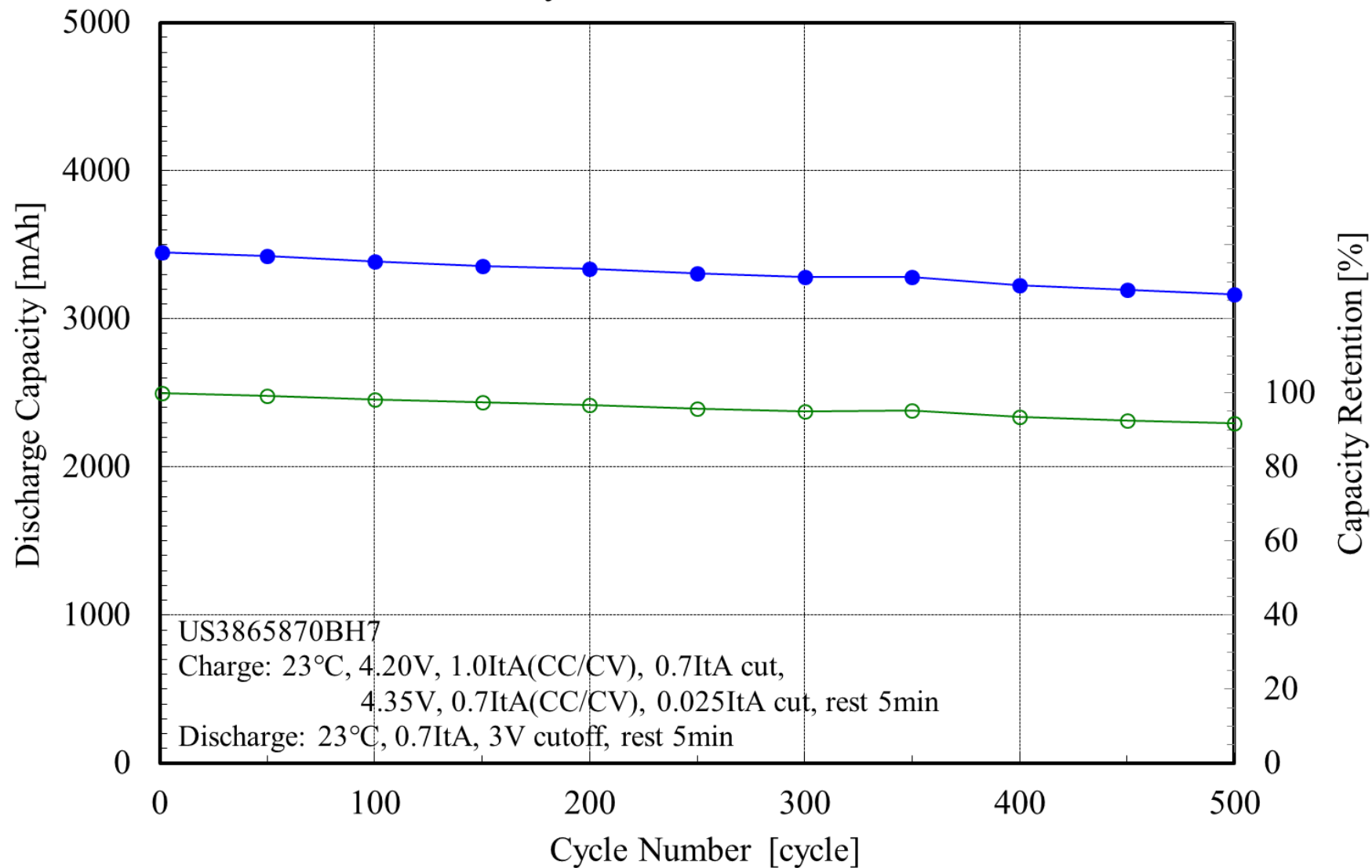
Discharging Profile



Discharge Temperature Performance



Cycle Performance



Cell Size (US386587BH7)

