

1. General

1.1 Scope

This specification applies to type

: US366685BH7 Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US366685BH7

1.2.2 Model Number : US366685BH7

1.2.3 Code : 49943868, 49943817

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer

1.3.2 Size : Thickness 3.57 mm max
Width 65.2 mm max
Length(without Tab) 84.9 mm max

1.3.3 Weight : 47.2 g (typical)

1.4 Reference test current

1.0 ItA: 3260 mA

1.5 Safety Regulation

Murata acquired UL1642

2. Performance

at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	3190mAh	average capacity 3.80 V (average discharge voltage)
	12.22 Wh	
Rated Capacity (0.2ItA discharge)	3090mAh	minimum capacity
	11.89 Wh	
Capacity at 0.5ItA	3171mAh	average capacity
	11.80 Wh	
Capacity at 1.0ItA	3153mAh	average capacity
	11.53 Wh	
Nominal Voltage	3.80 V	
Internal Impedance	26.5 mΩ	measured by AC1 kHz
Cycle Performance	80% of Initial capacity at 700 cycles	0.7 ItA discharge rate

*Standard Charge Condition

Charge Method : constant current / constant voltage

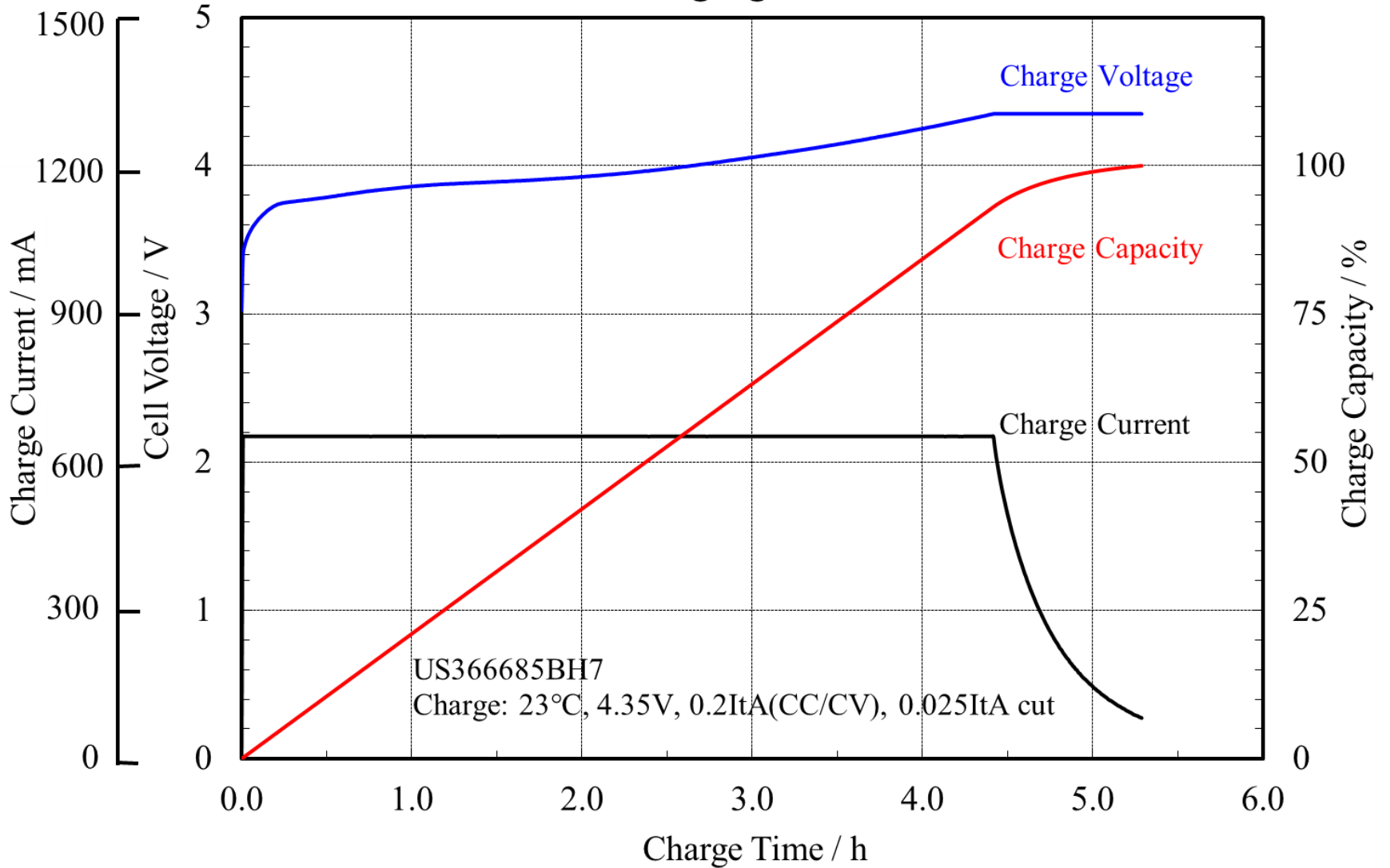
Charge Up Voltage : 4.35 ± 0.05 V

Charge Current : 0.652 A

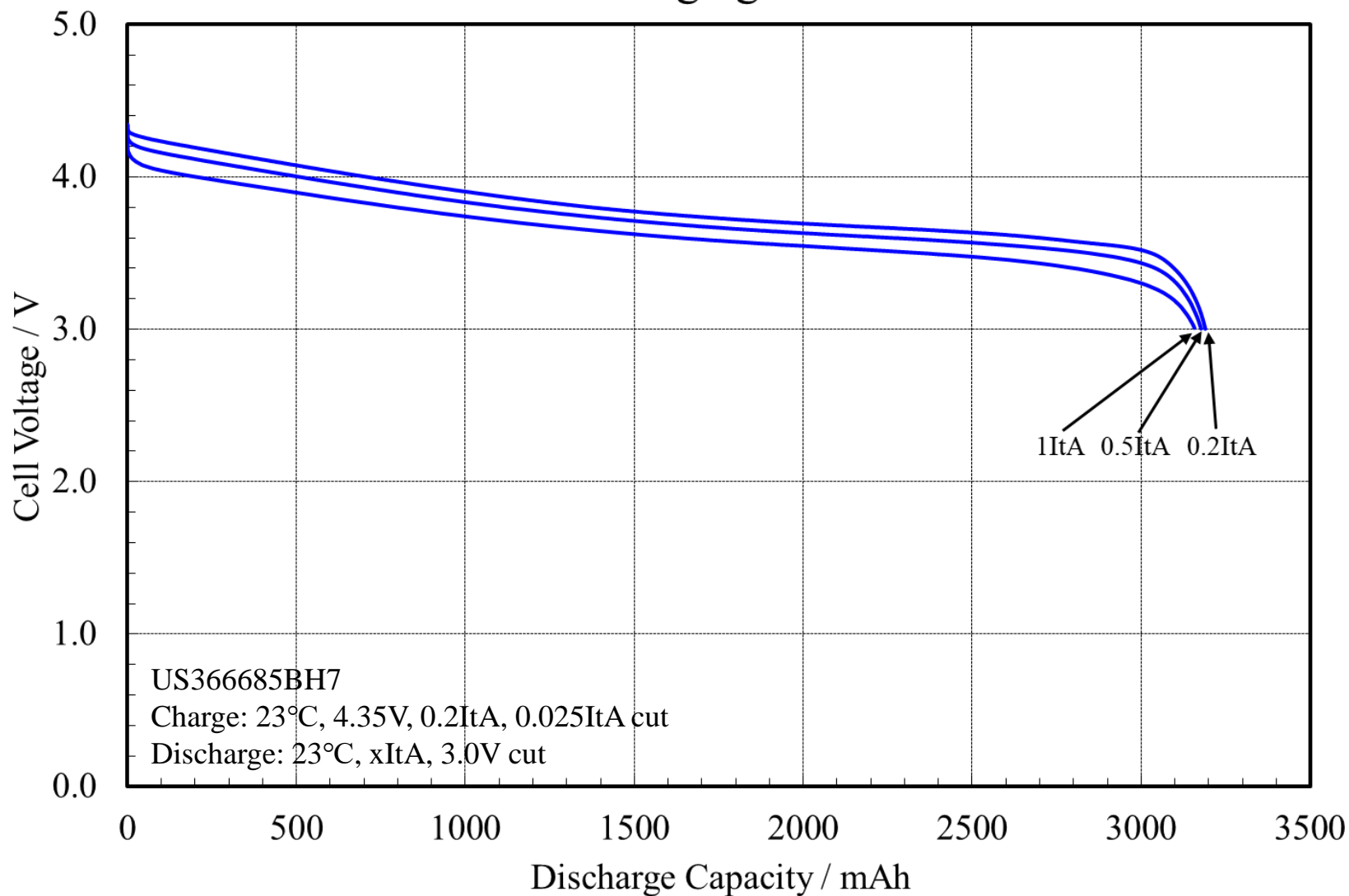
Charge Cut off
Current : 82 mA

Ambiance
Temperature : 23 °C

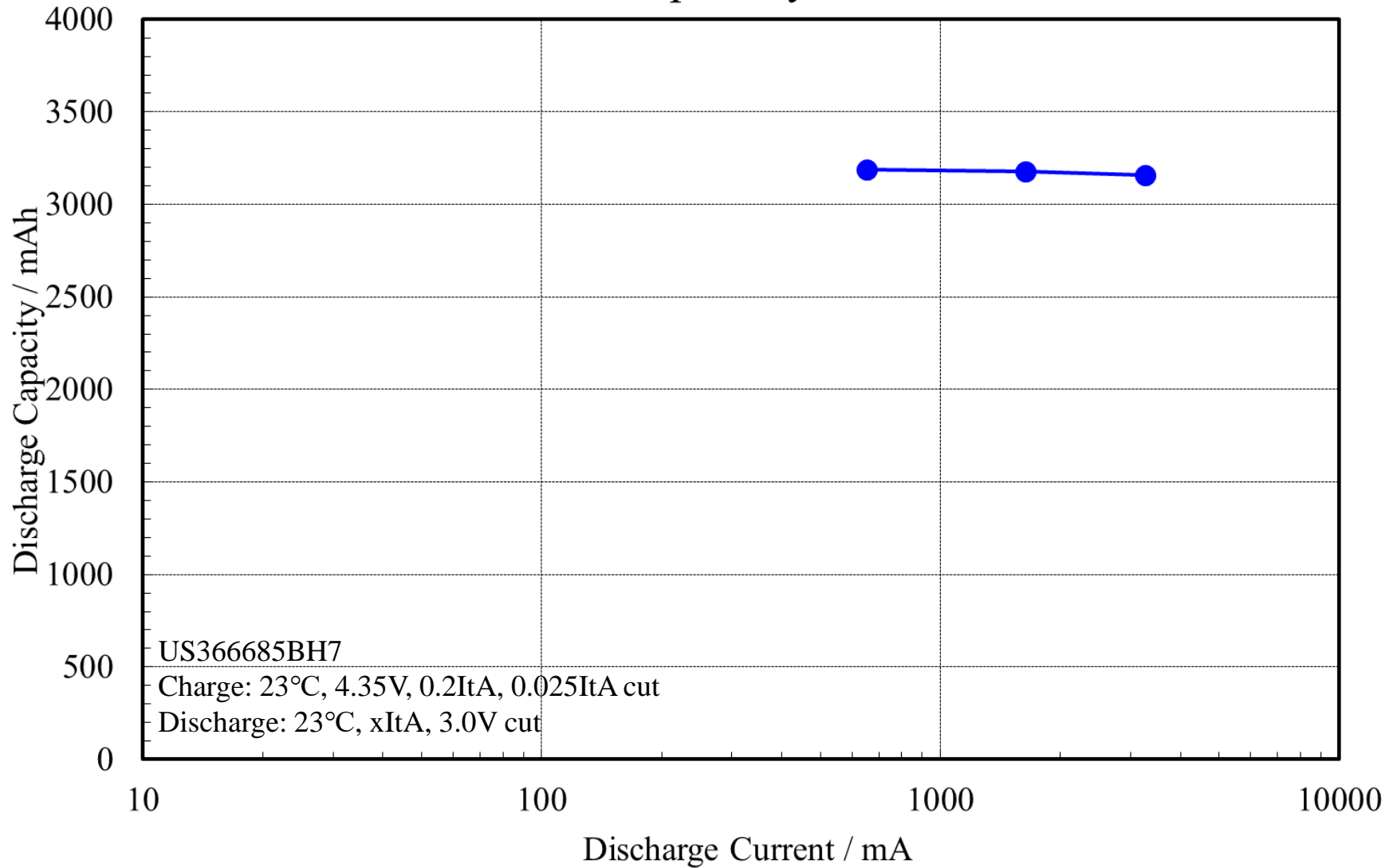
Charging Profile



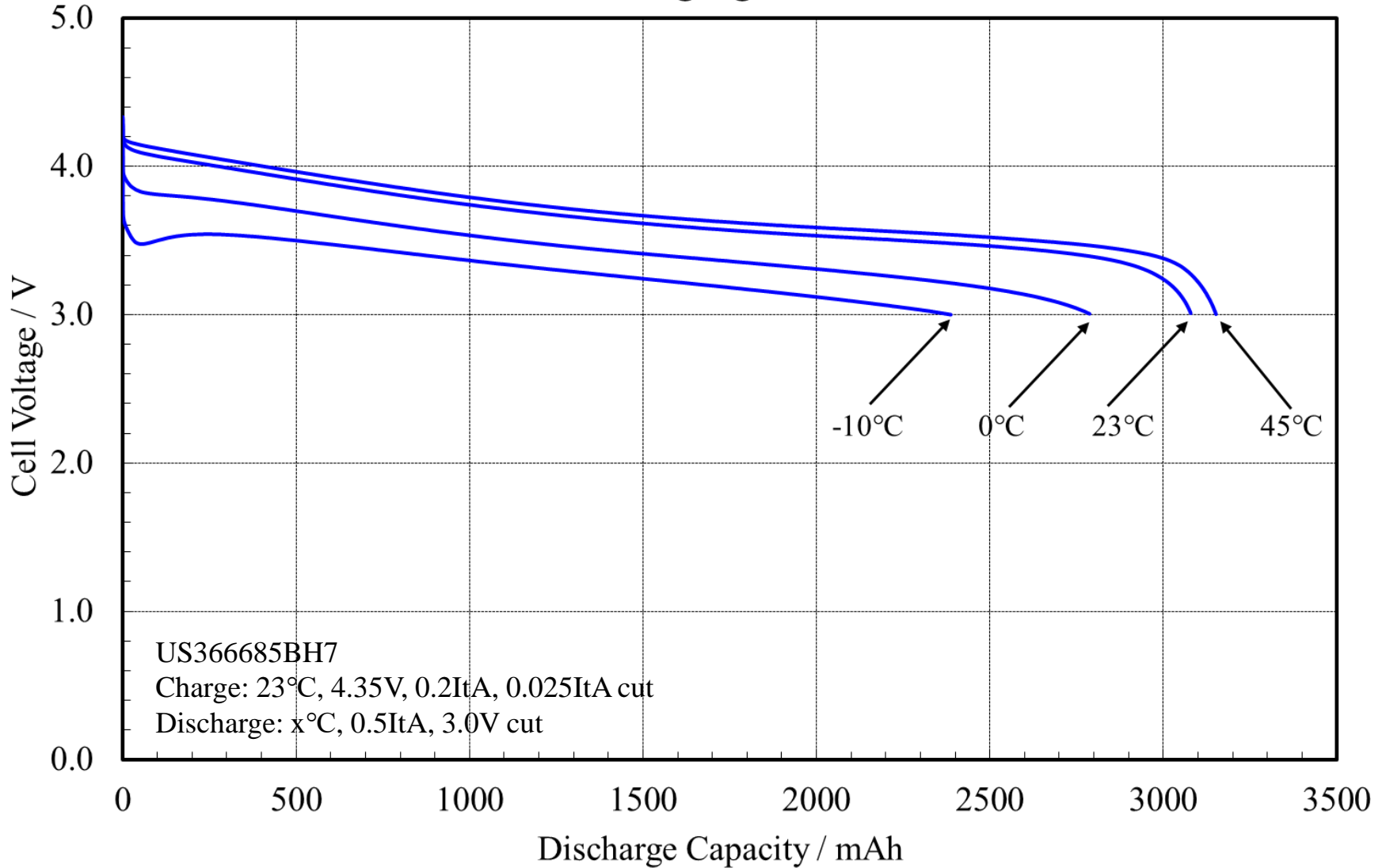
Discharging Profile



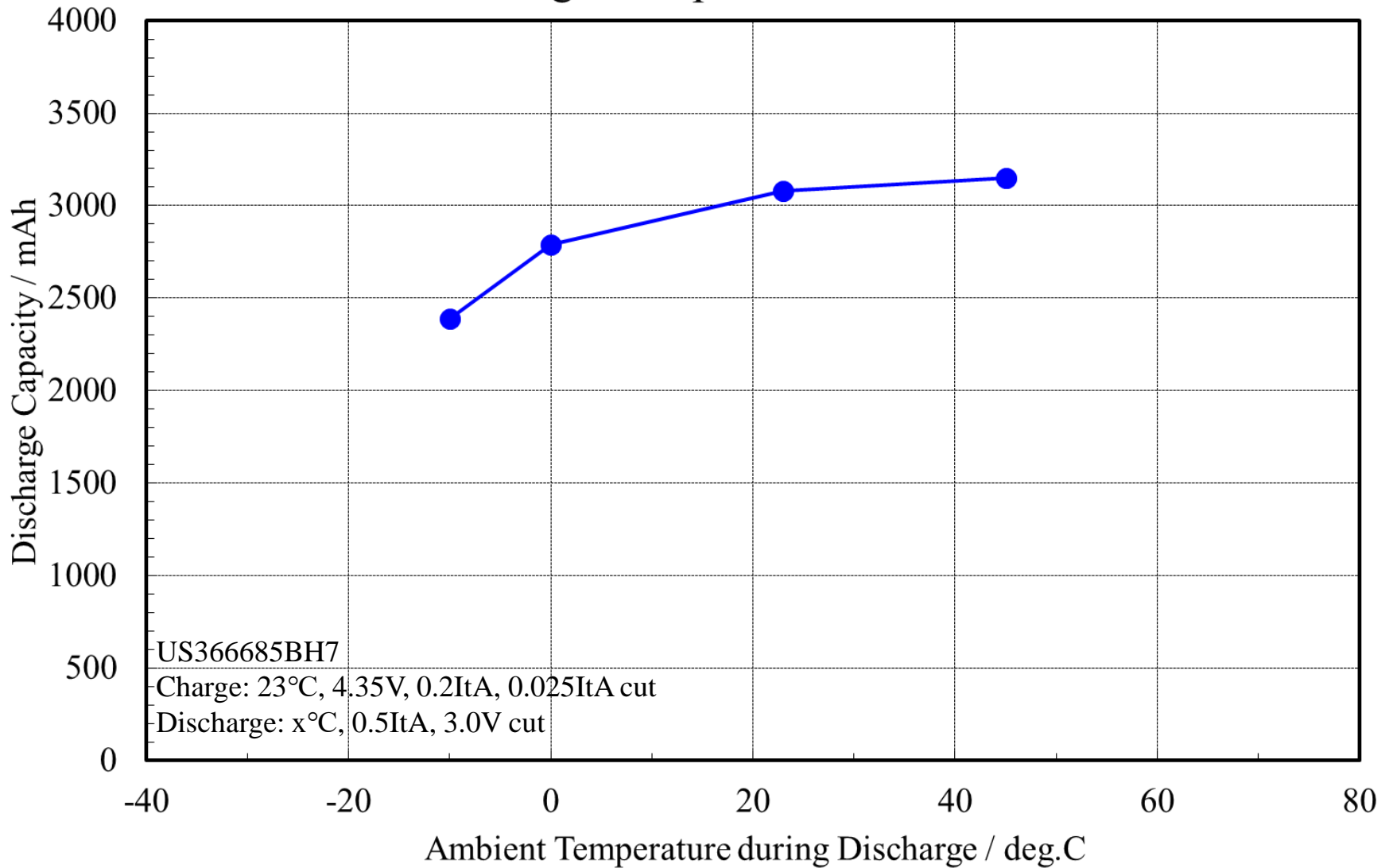
Drain Capability



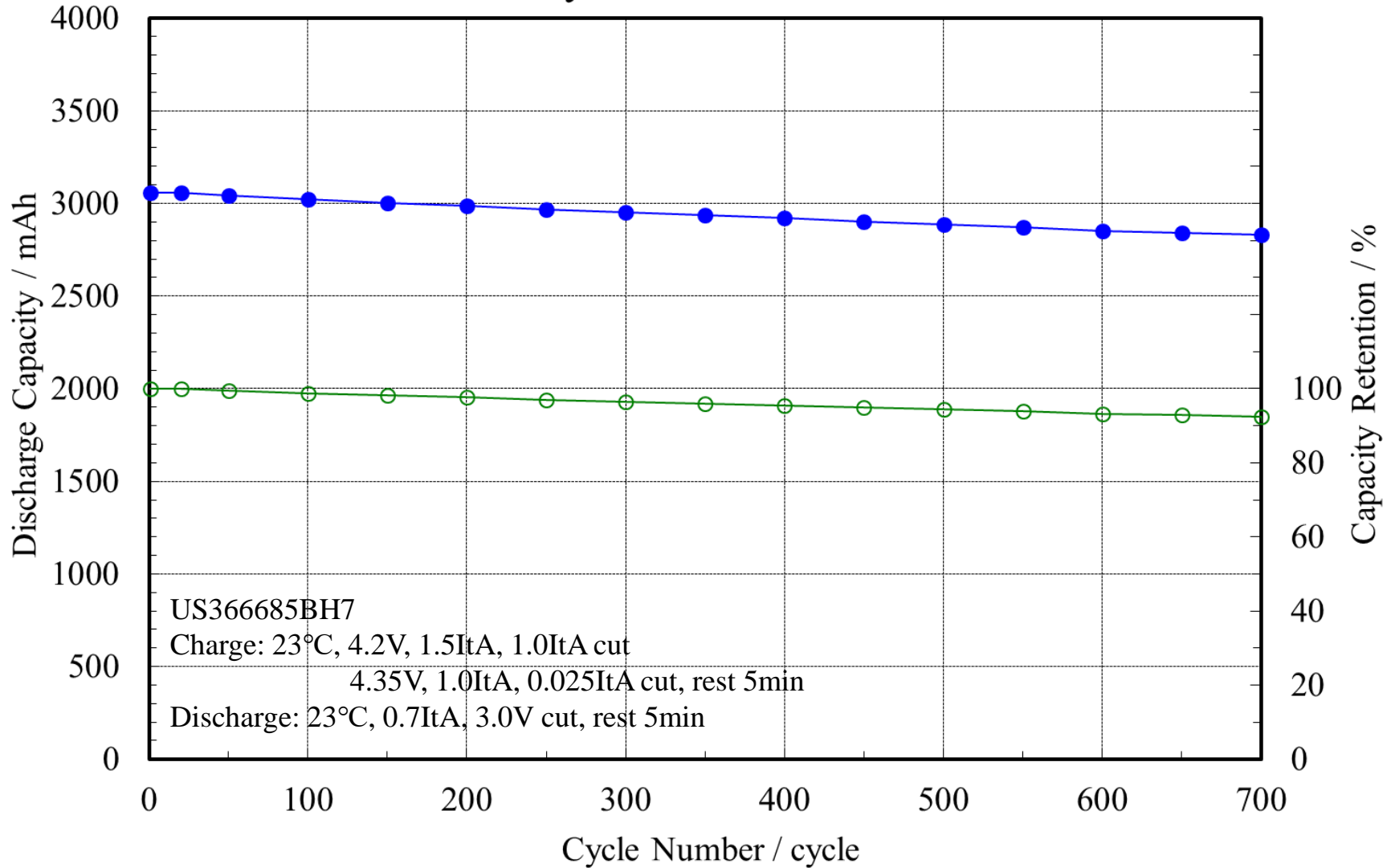
Discharging Profile



Discharge Temperature Performance



Cycle Performance



Cell Size (US36685BH7)

