

1. General

1.1 Scope

This specification applies to type
: US525775CH9P Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US525775CH9
1.2.2 Model Number : US525775CH9P
1.2.3 Code : 49944260

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1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer
1.3.2 Size : Thickness 5.1 mm max
Width 56.53 mm max
Length(without Tab) 74.3 mm max
1.3.3 Weight : 48.5 g (typical)

1.4 Reference test current

1.0 ItA: 3720 mA

1.5 Safety Regulation

Murata acquired UL1642

2. Performance

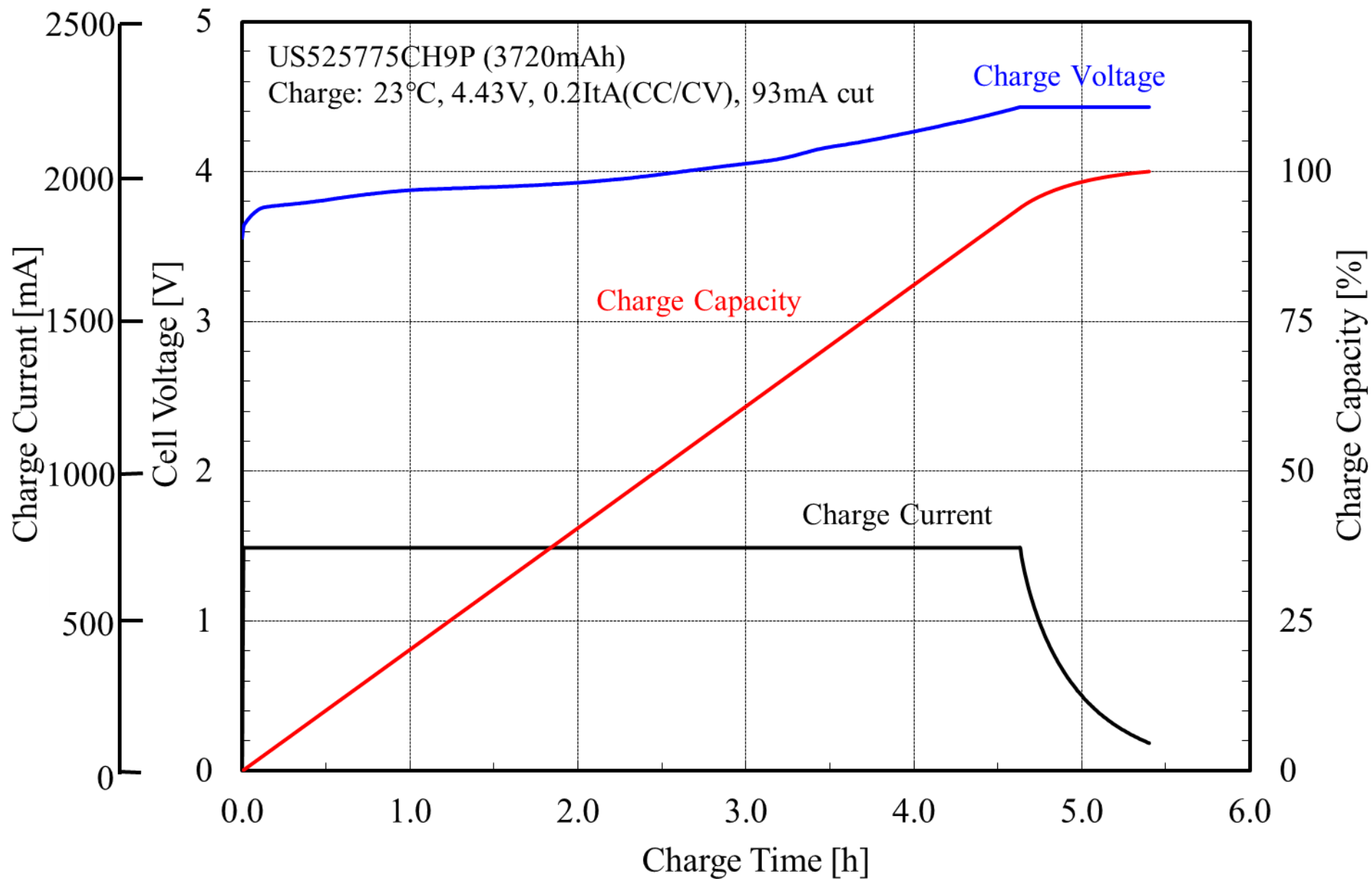
at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	3795mAh	average capacity 3.85 V (average discharge voltage)
	14.61 Wh	
Rated Capacity (0.2ItA discharge)	3720mAh	minimum capacity
	14.32 Wh	
Capacity at 0.5ItA	3608mAh	average capacity
	13.6Wh	
Capacity at 1.0ItA	3422mAh	average capacity
	12.56Wh	
Nominal Voltage	3.85 V	
Internal Impedance	29 mΩ	measured by AC1 kHz
Cycle Performance	80% of Initial capacity at 700 cycles	0.7 ItA discharge rate

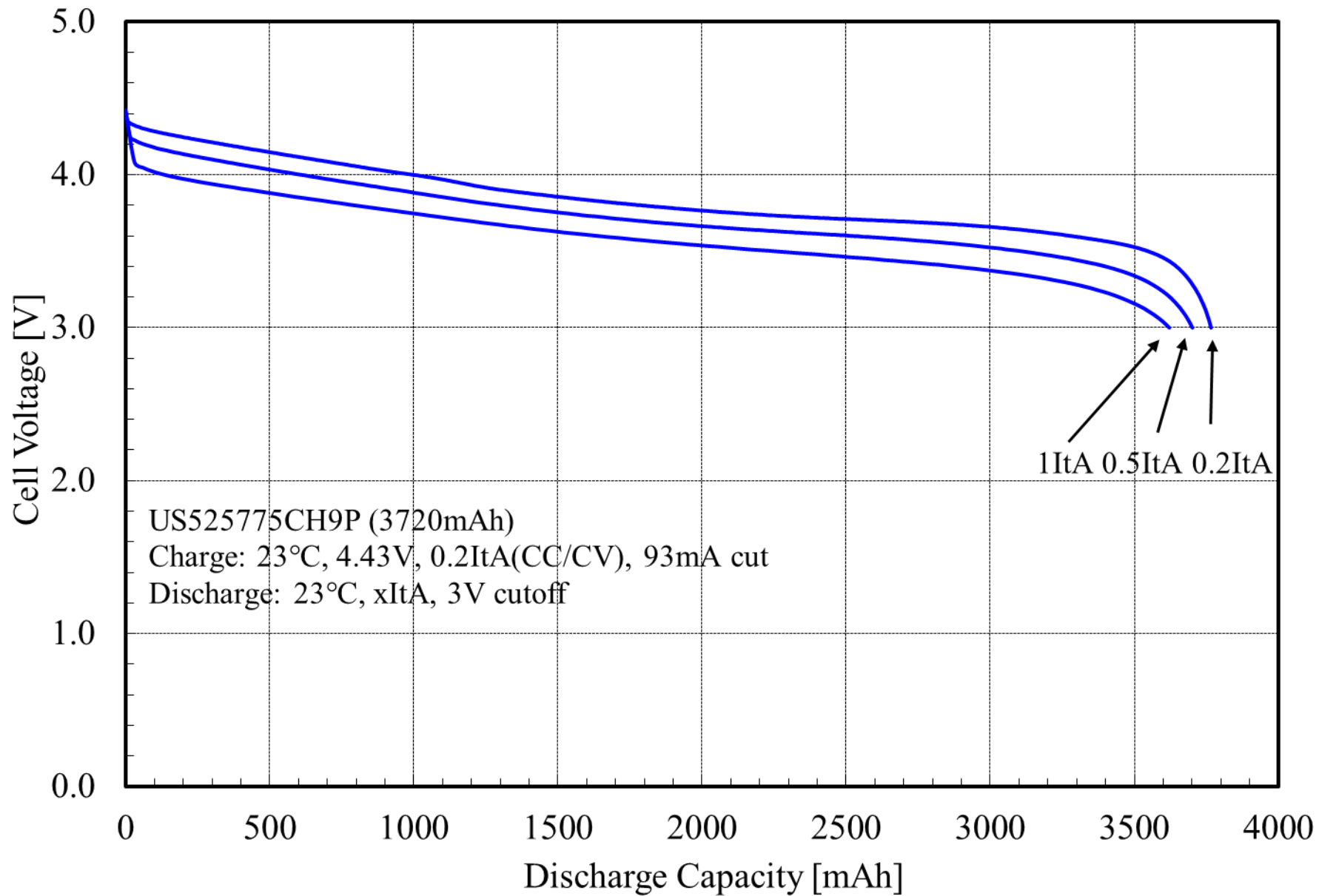
*Standard Charge Condition

Charge Method : constant current / constant voltage
Charge Up Voltage : 4.43 ± 0.025 V
Charge Current : 0.744 A
Charge Cut off Current : 93mA
Ambiance Temperature : 23 °C

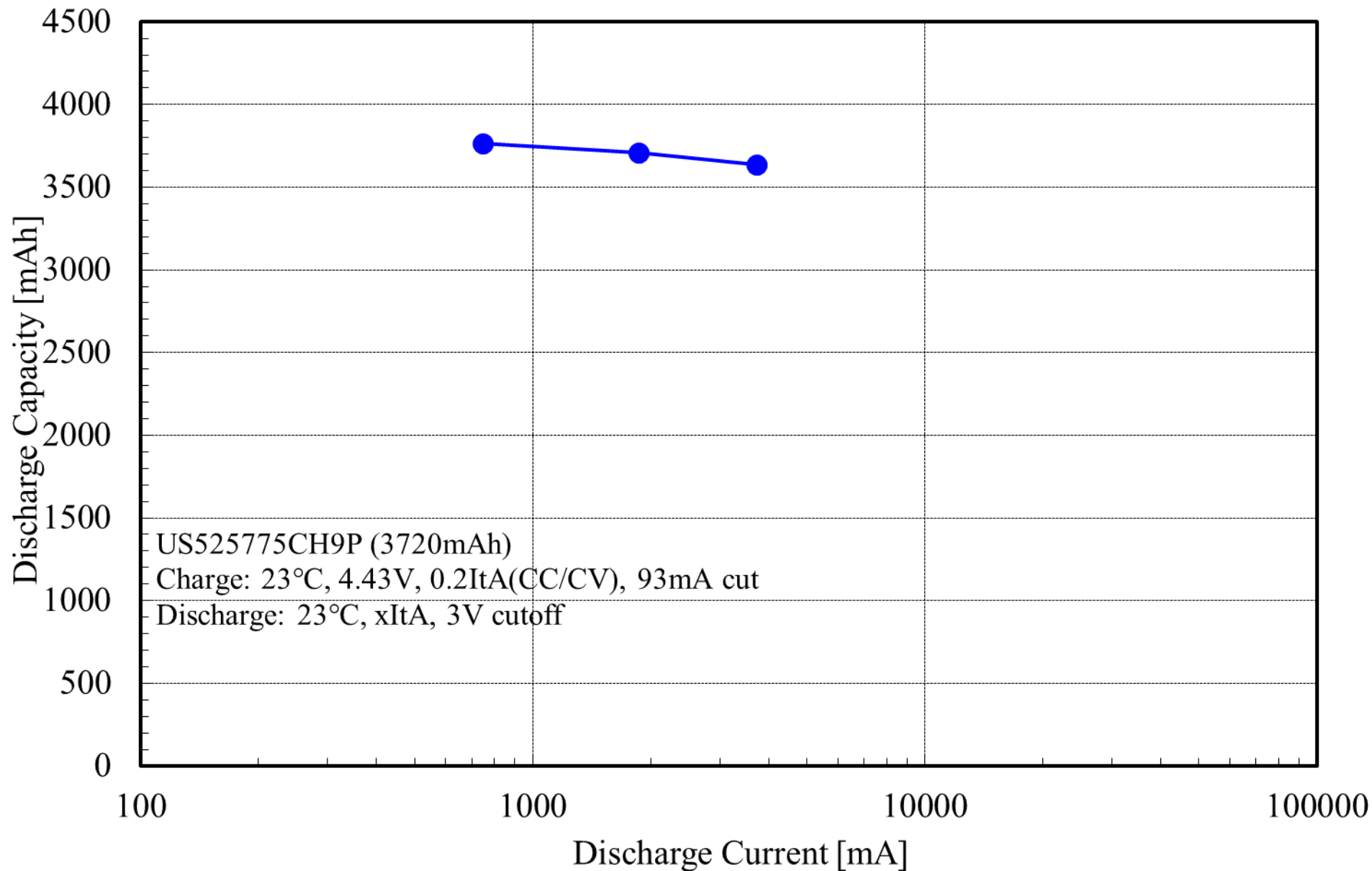
Charging Profile



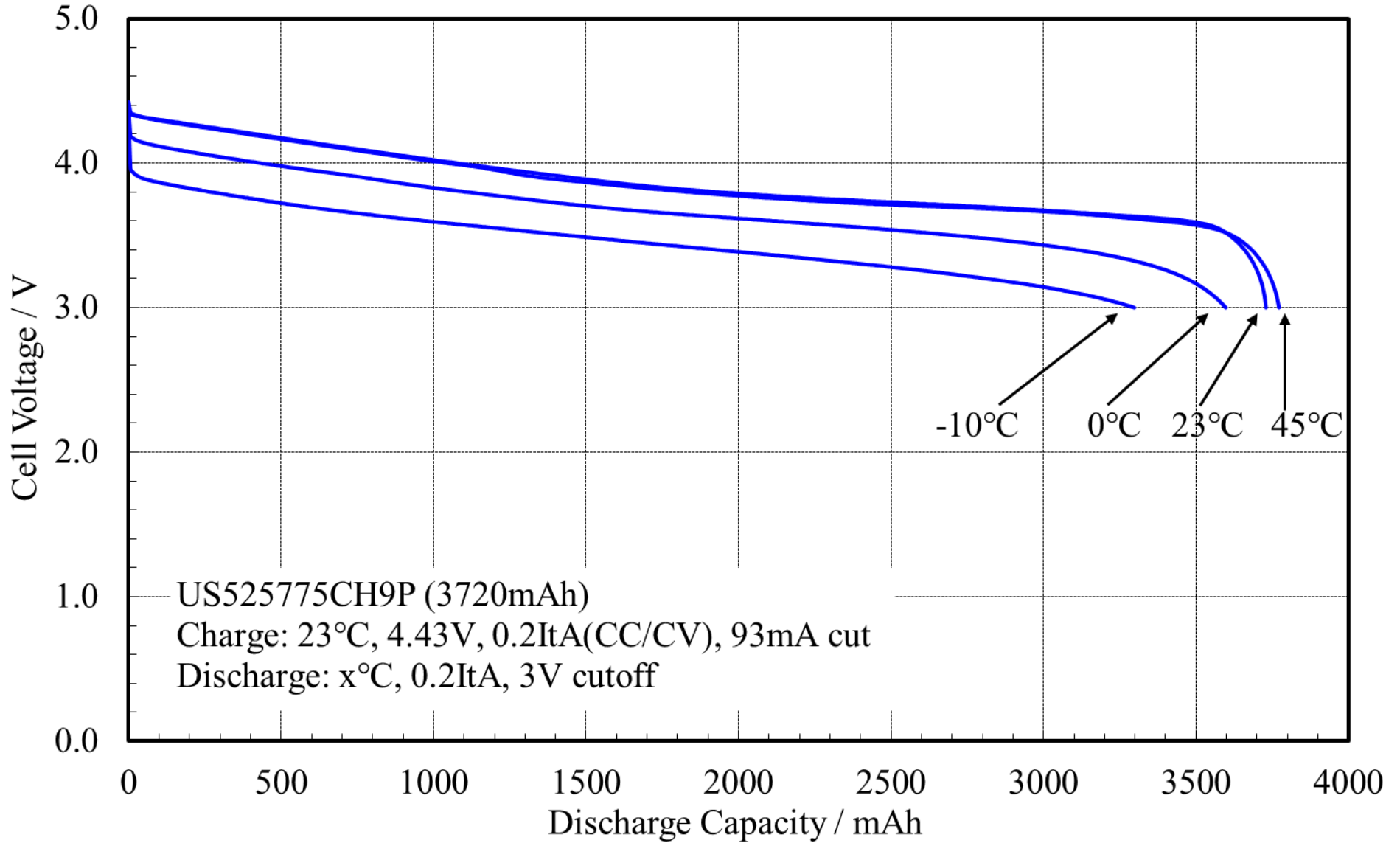
Discharging Profile



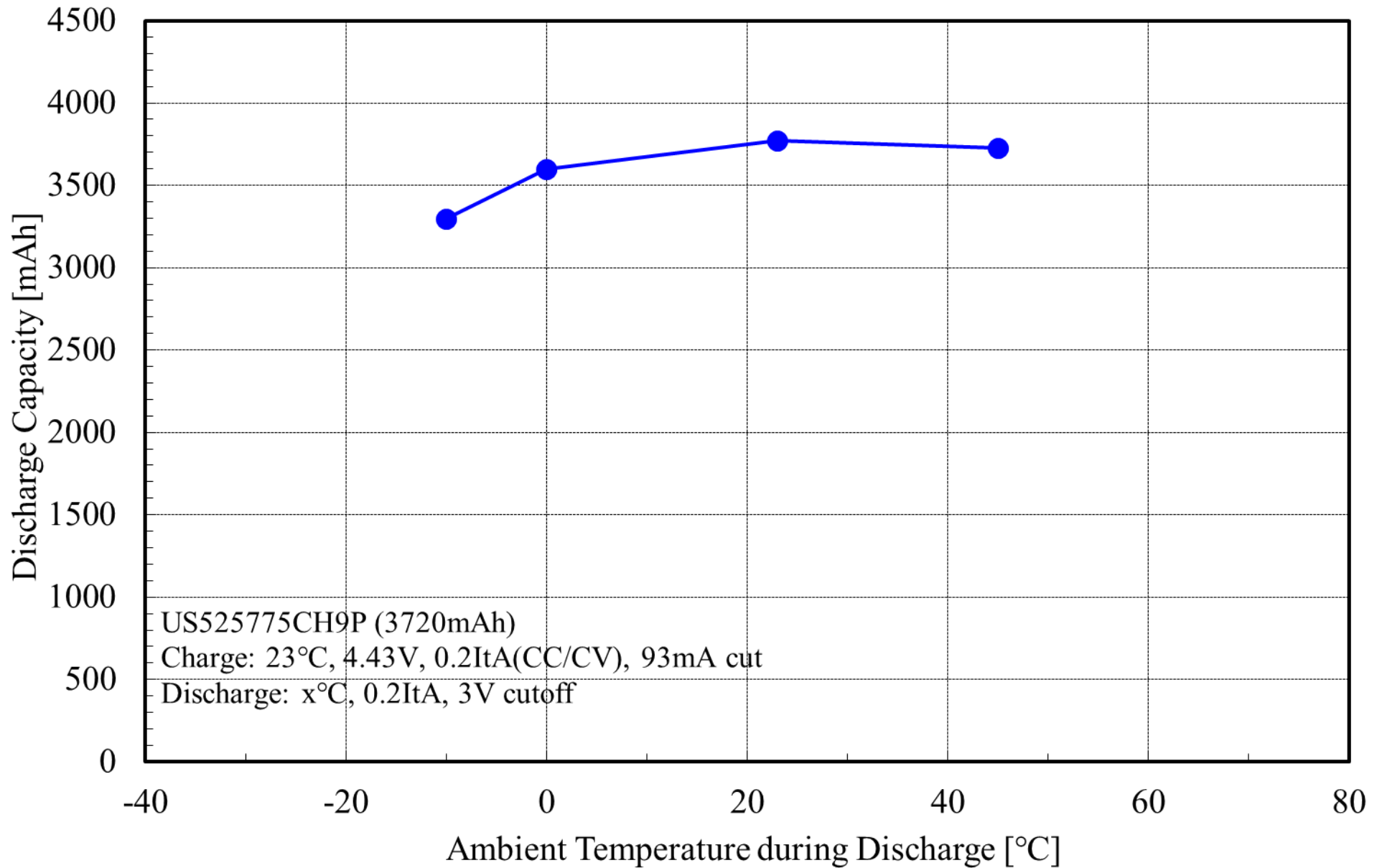
Drain Capability



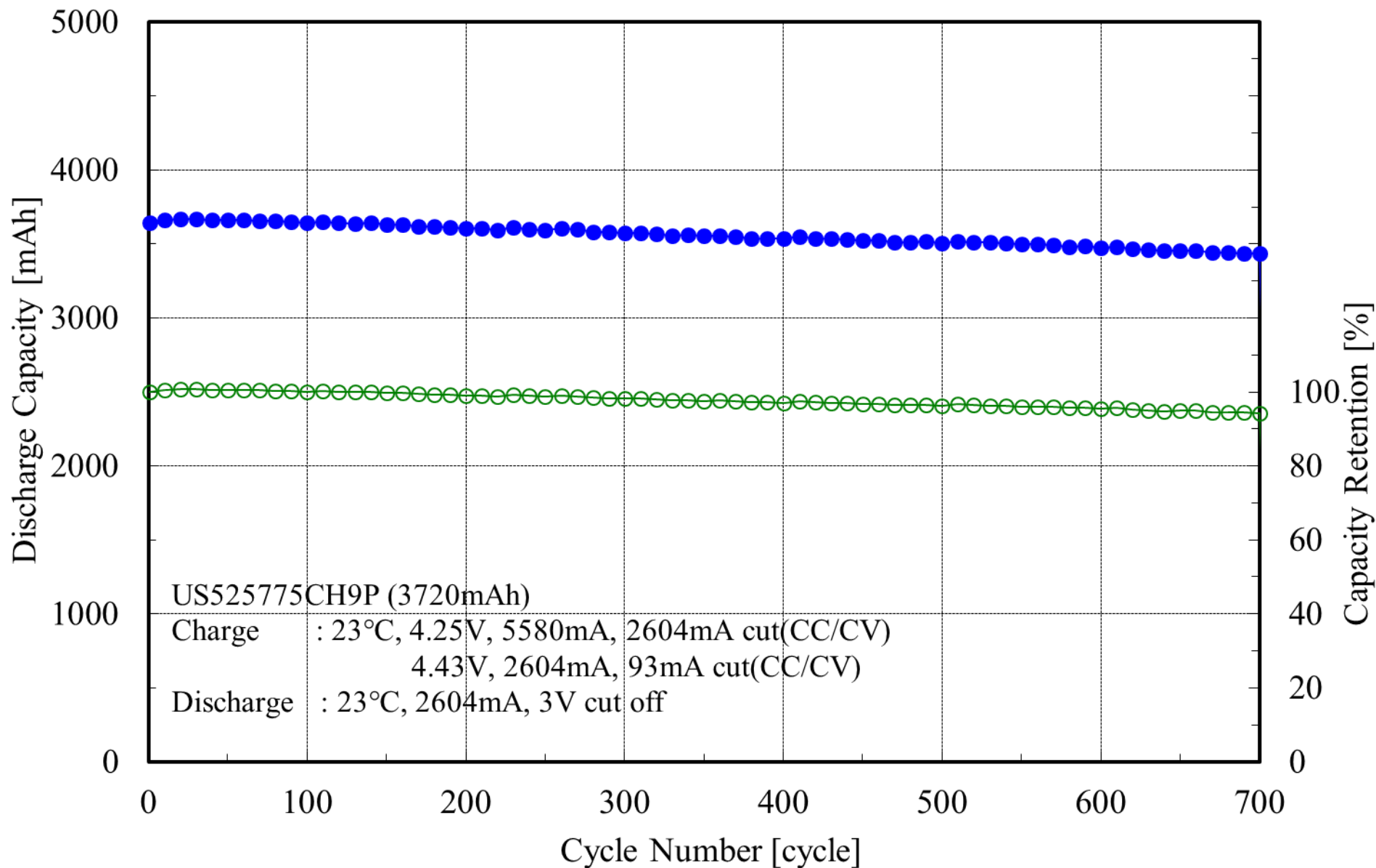
Discharging Profile



Discharge Temperature Performance



Cycle Performance



Cell Size (US525775CH9P)

