

1. General

1.1 Scope

This specification applies to type
: US426487CH9P Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US426487CH9
1.2.2 Model Number : US426487CH9P
1.2.3 Code : 49944180

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1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer
1.3.2 Size : Thickness 4.12 mm max
Width 63.48 mm max
Length(without Tab) 86.2 mm max
1.3.3 Weight : 51.9 g (typical)

1.4 Reference test current

1.0 ItA: 3920 mA

1.5 Safety Regulation

Murata acquired UL1642

2. Performance

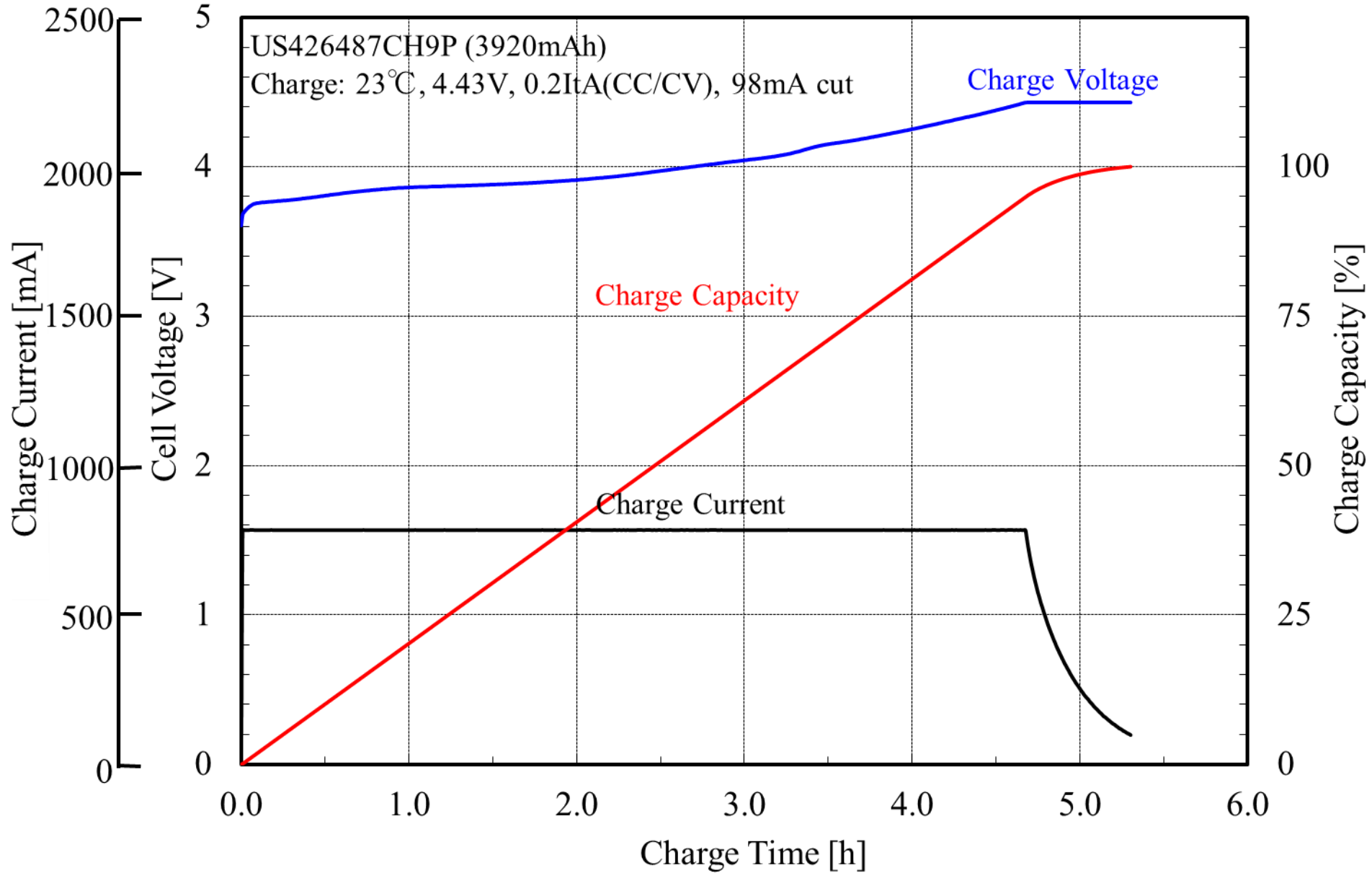
at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	4000mAh	average capacity 3.85 V (average discharge voltage)
	15.40Wh	
Rated Capacity (0.2ItA discharge)	3920mAh	minimum capacity
	15.09Wh	
Capacity at 0.5ItA	3802mAh	average capacity
	14.22Wh	
Capacity at 1.0ItA	3606mAh	average capacity
	13.17Wh	
Nominal Voltage	3.85 V	
Internal Impedance	31 mΩ	measured by AC1 kHz
Cycle Performance	80% of Initial capacity at 700 cycles	0.7 ItA discharge rate

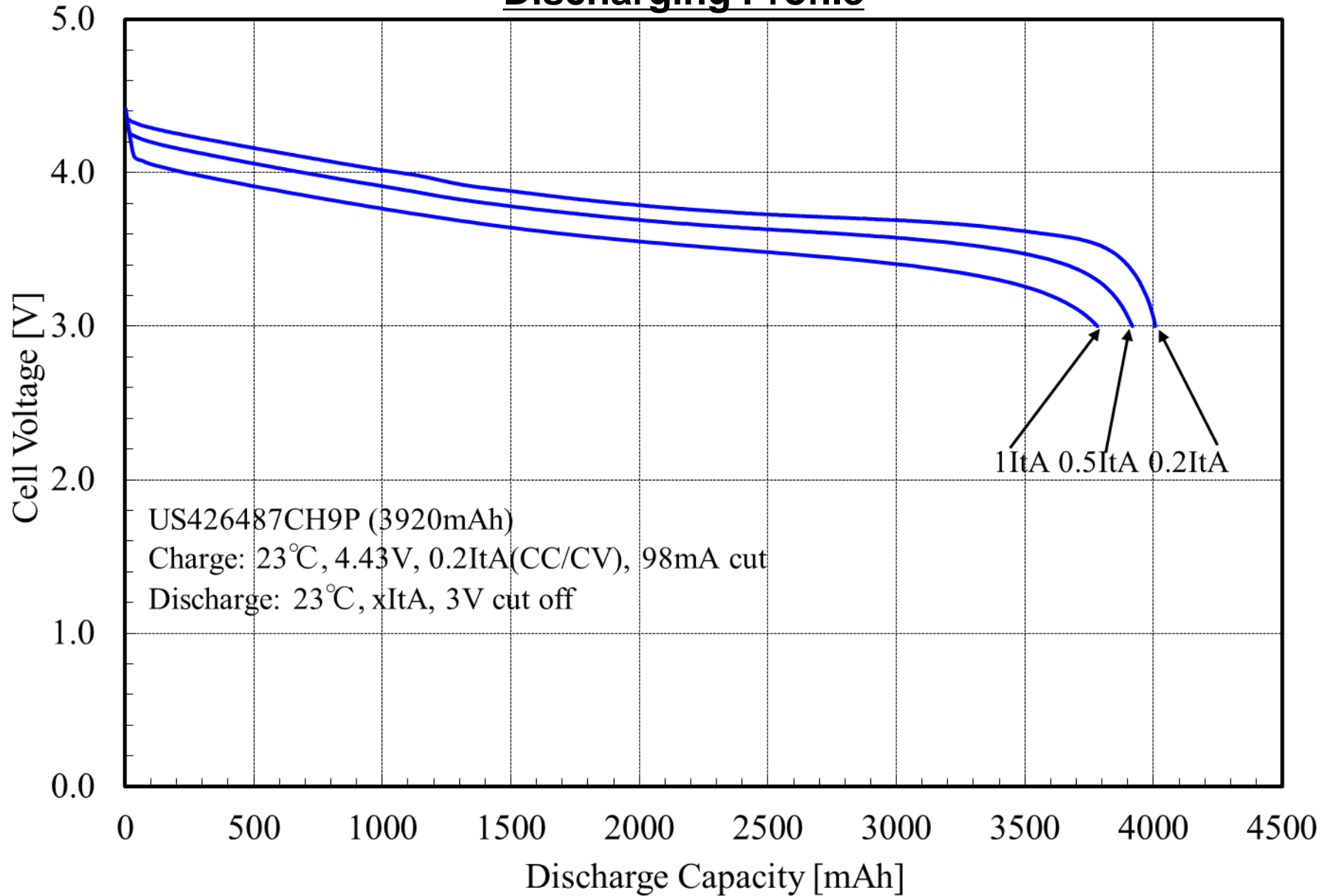
*Standard Charge Condition

Charge Method : constant current / constant voltage
Charge Up Voltage : 4.43 ± 0.025 V
Charge Current : 0.784 A
Charge Cut off Current: 98 mA
Ambiance Temperature 23 °C

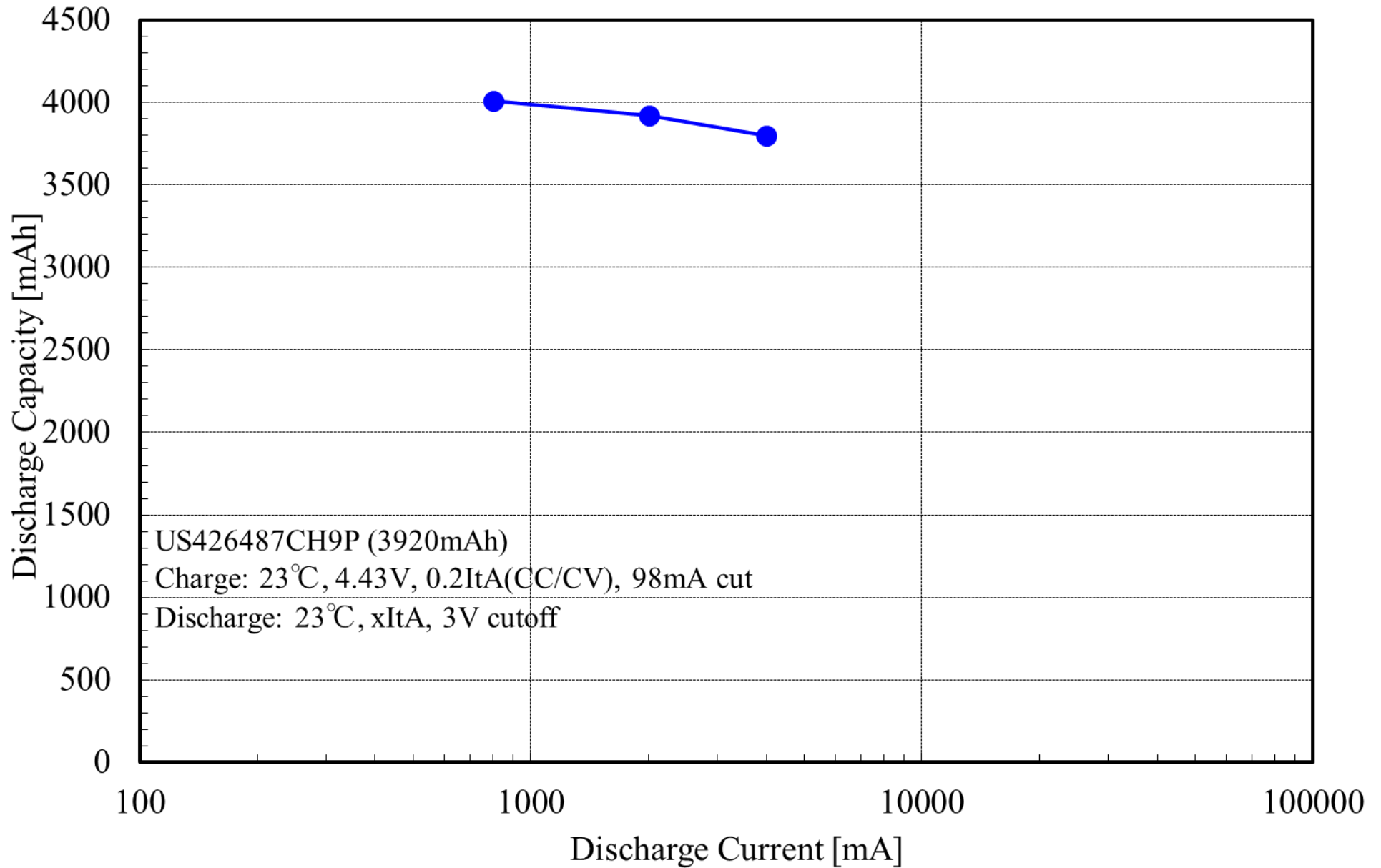
Charging Profile



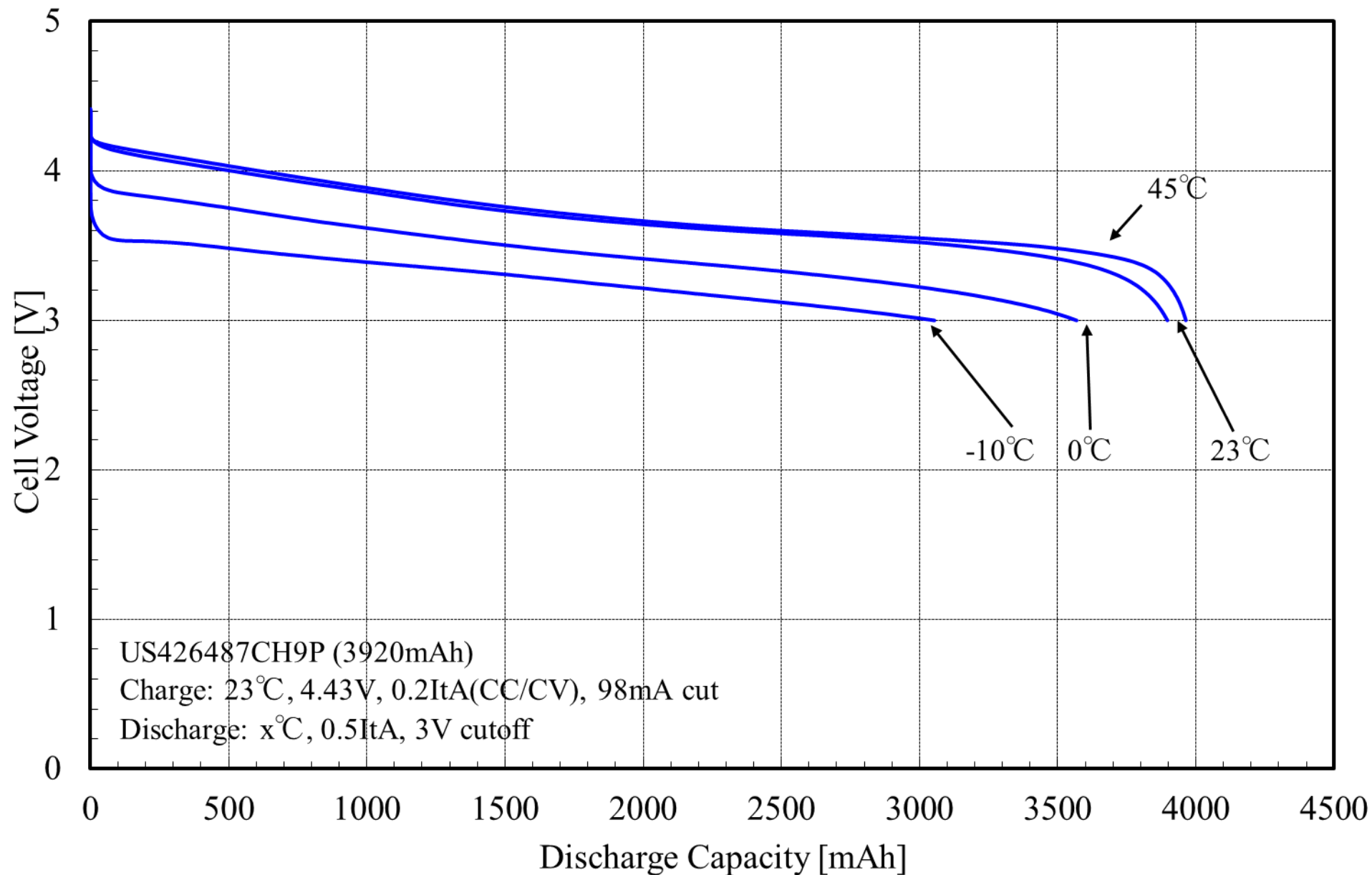
Discharging Profile



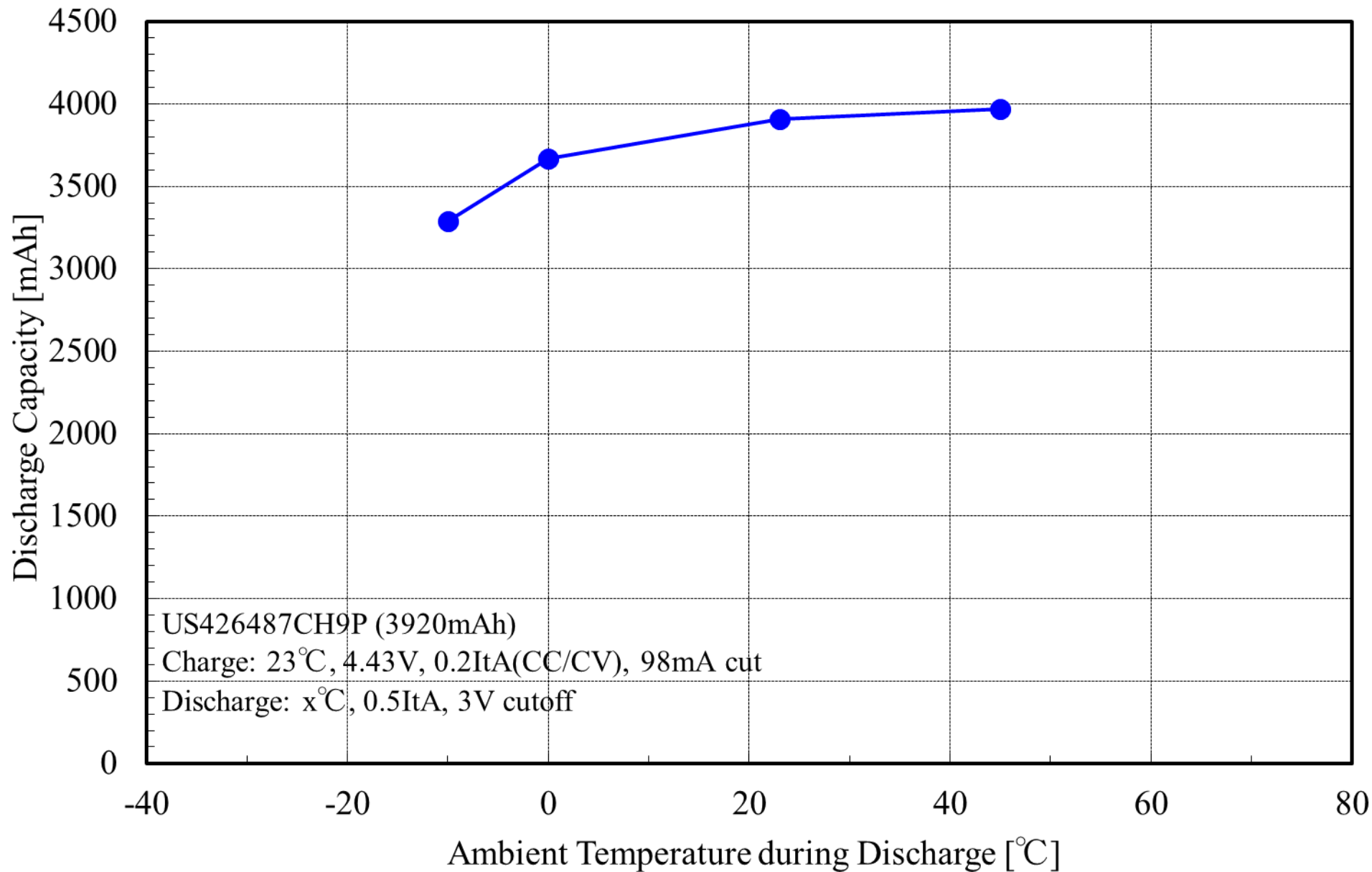
Drain Capability



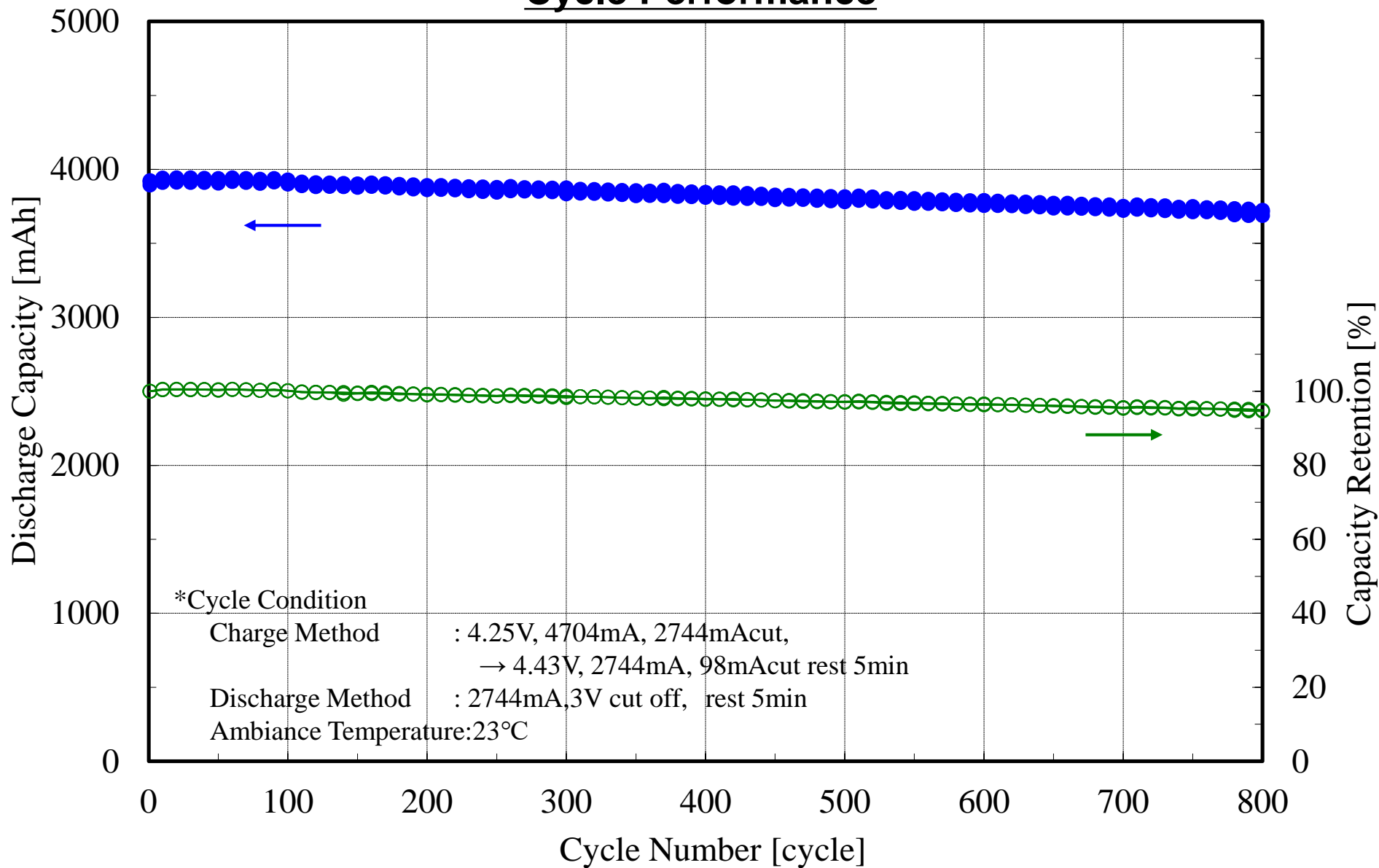
Discharging Profile



Discharge Temperature Performance



Cycle Performance



Cell Size (US426487CH9P)

