

1. General

1.1 Scope

This specification applies to type

: US25A2F2H3 Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US25A2F2H3

1.2.2 Model Number : US25A2F2H3

1.2.3 Code : 49931010

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer

1.3.2 Size : Thickness 2.5 mm max
Width 102.15 mm max
Length(without Tab) 151.8 mm max

1.3.3 Weight : 86.2 g (typical)

1.4 Reference test current

1.0 ItA: 5180 mA

1.5 Safety Regulation

Murata acquired UL1642

2. Performance

at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	5382mAh	average capacity 3.82 V (average discharge voltage)
	20.56 Wh	
Rated Capacity (0.2ItA discharge)	5180mAh	minimum capacity
	19.68 Wh	
Capacity at 0.5ItA	5409mAh	average capacity
	20.26 Wh	
Capacity at 1.0ItA	5361mAh	average capacity
	19.55 Wh	
Nominal Voltage	3.8 V	
Internal Impedance	23.5 mΩ	measured by AC1 kHz
Cycle Performance	80% of Initial capacity at 800 cycles	0.2 ItA discharge rate

***Standard Charge Condition**

Charge Method : constant current / constant voltage

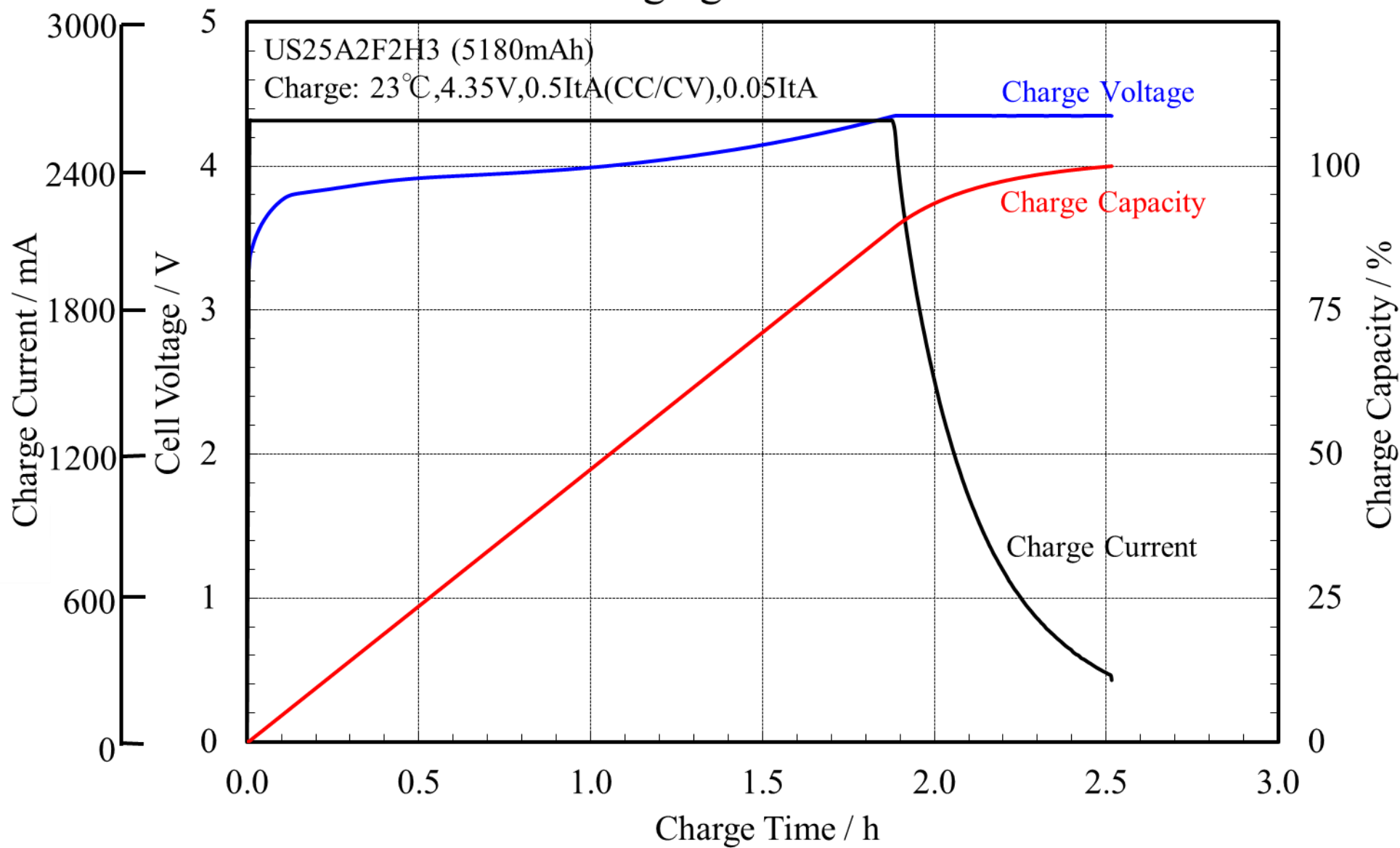
Charge Up Voltage : 4.35 ± 0.05 V

Charge Current : 2.59 A

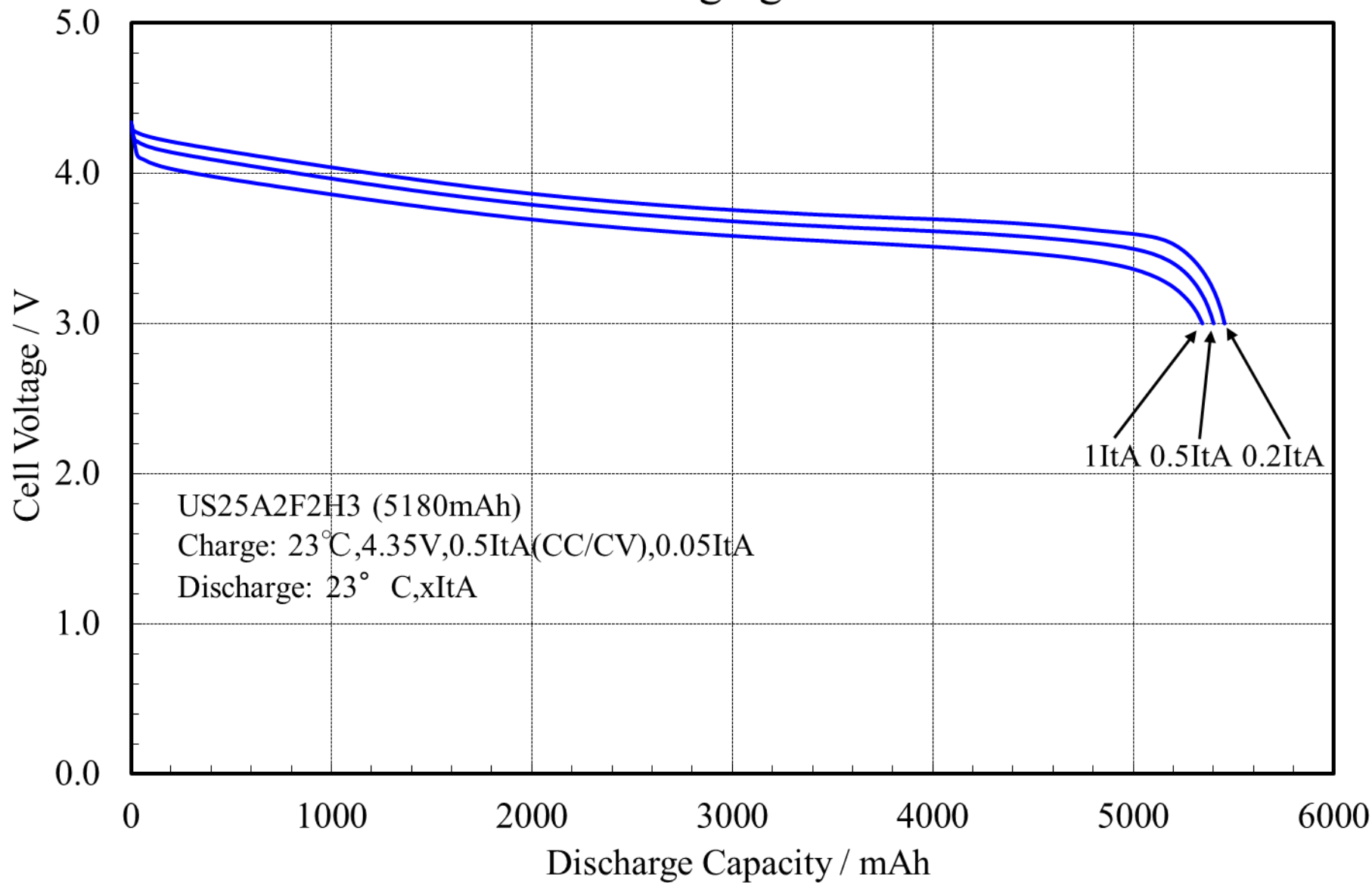
Charge Cut off Current : 259 mA

Ambiance Temperature : 23 °C

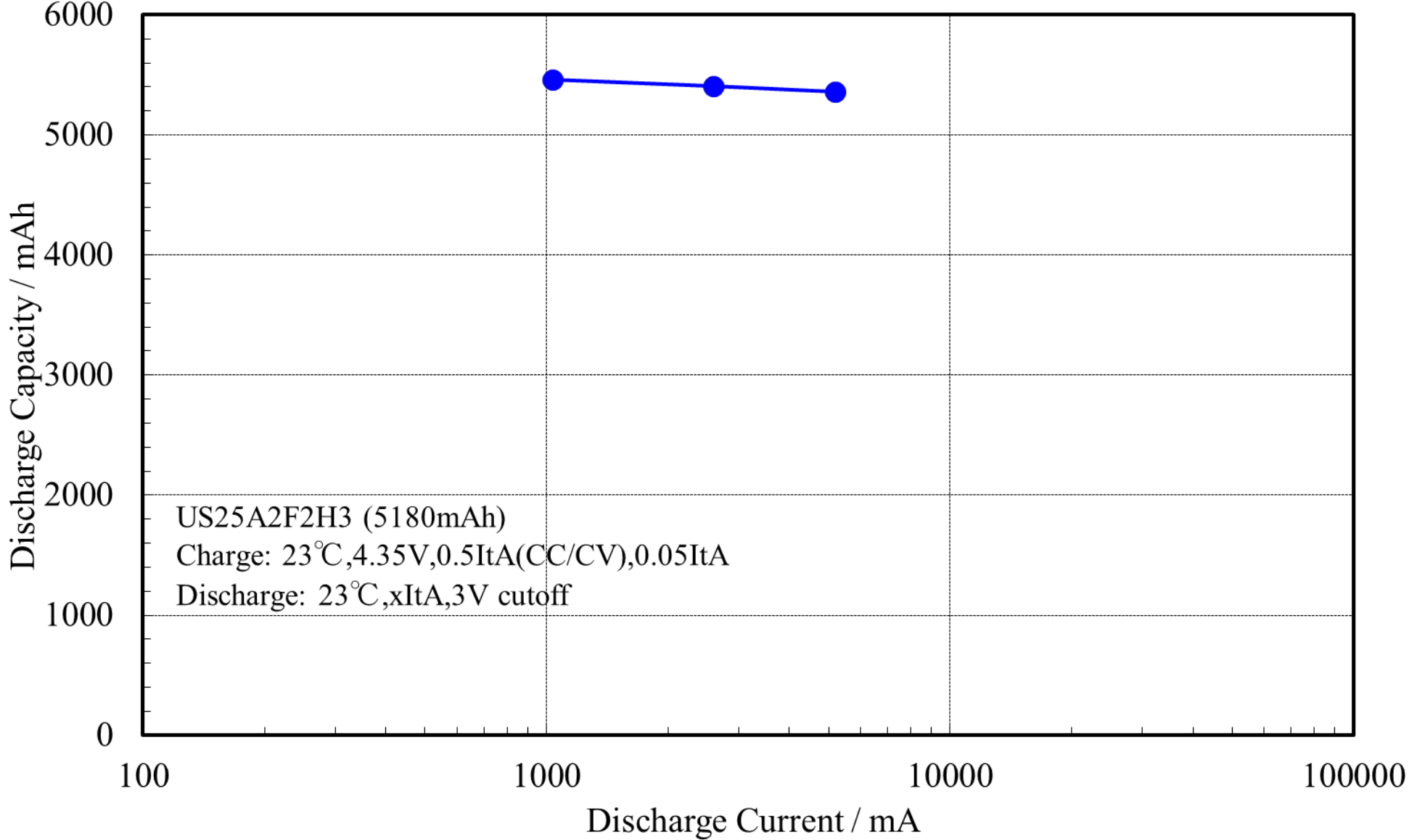
Charging Profile



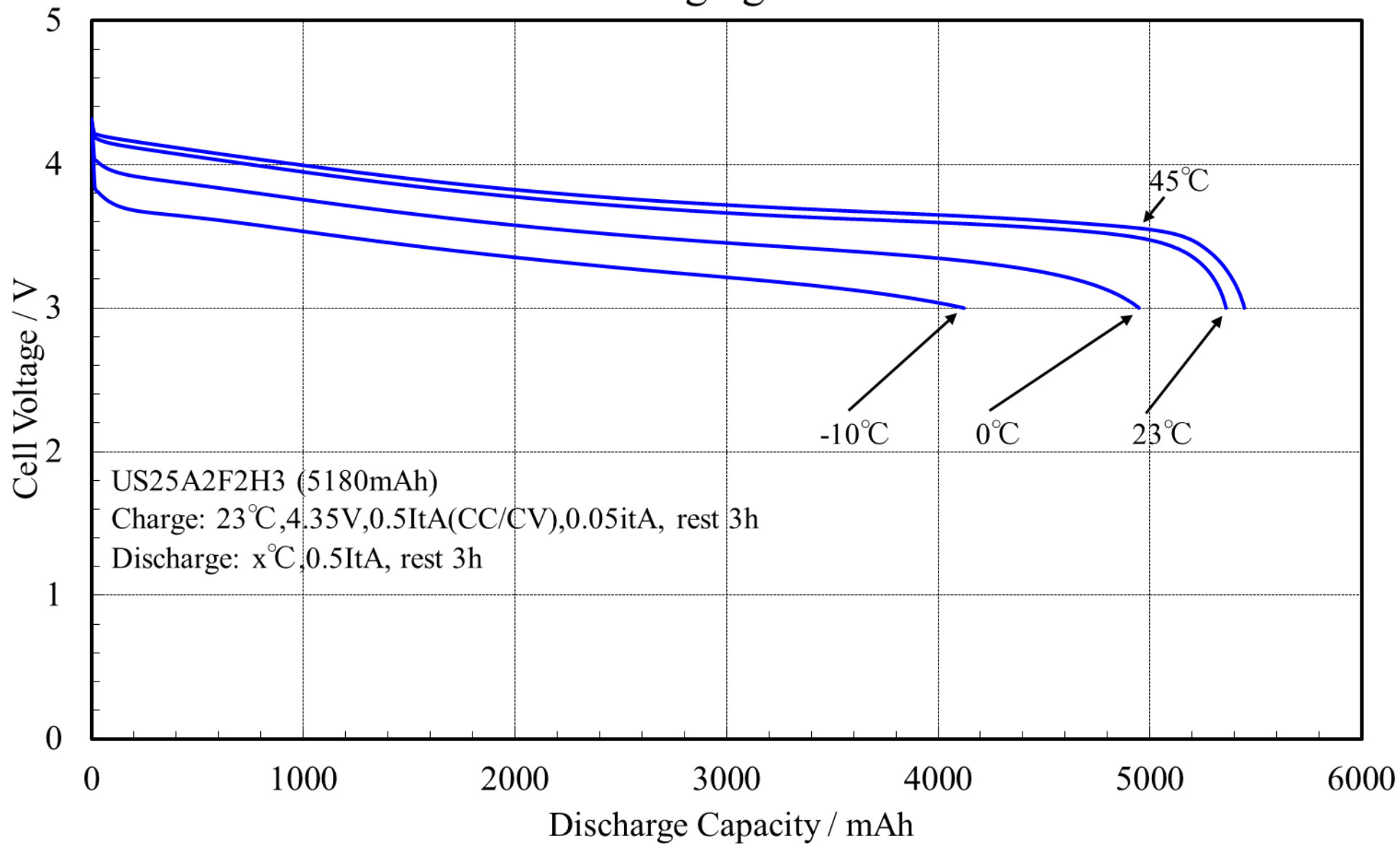
Discharging Profile



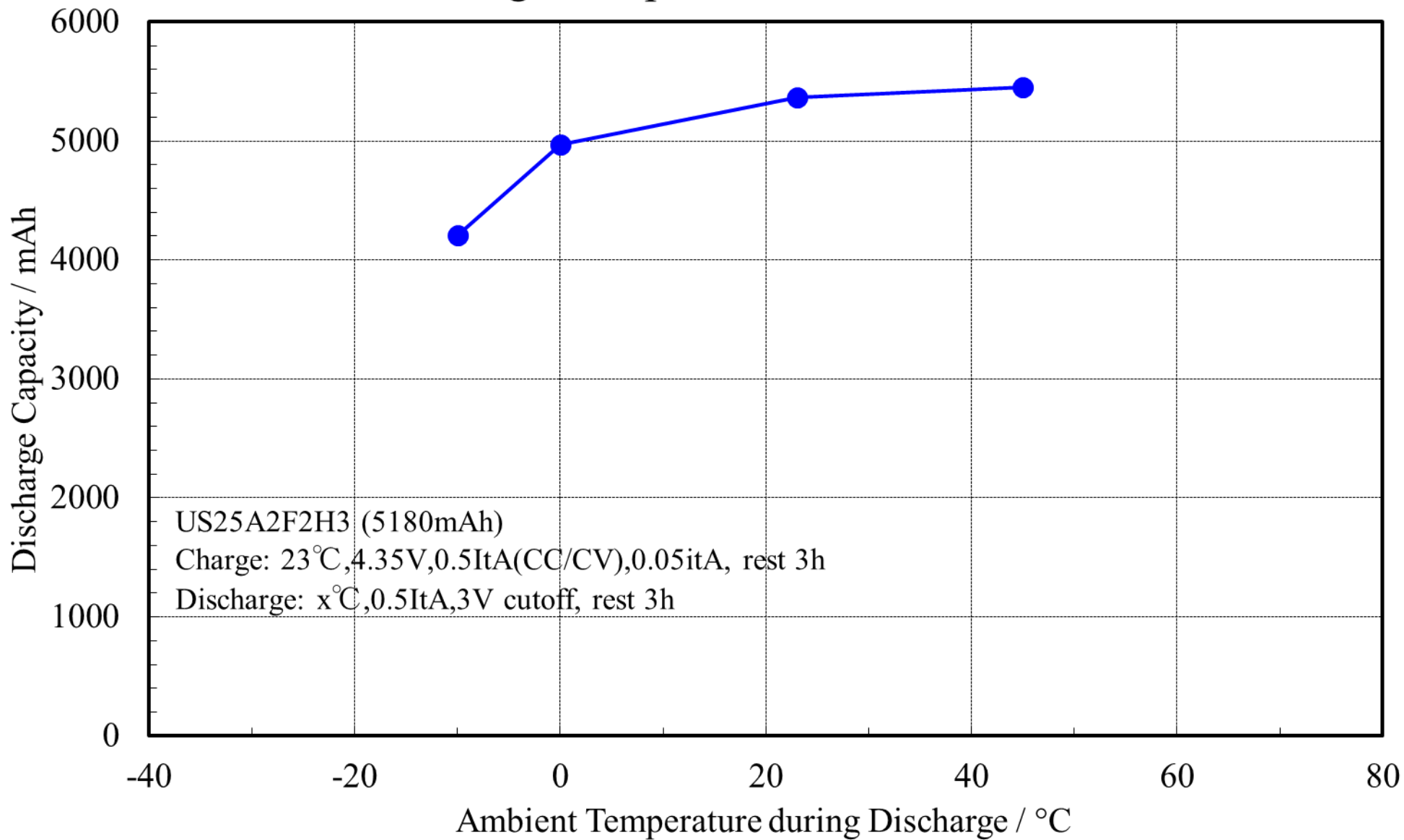
Drain Capability



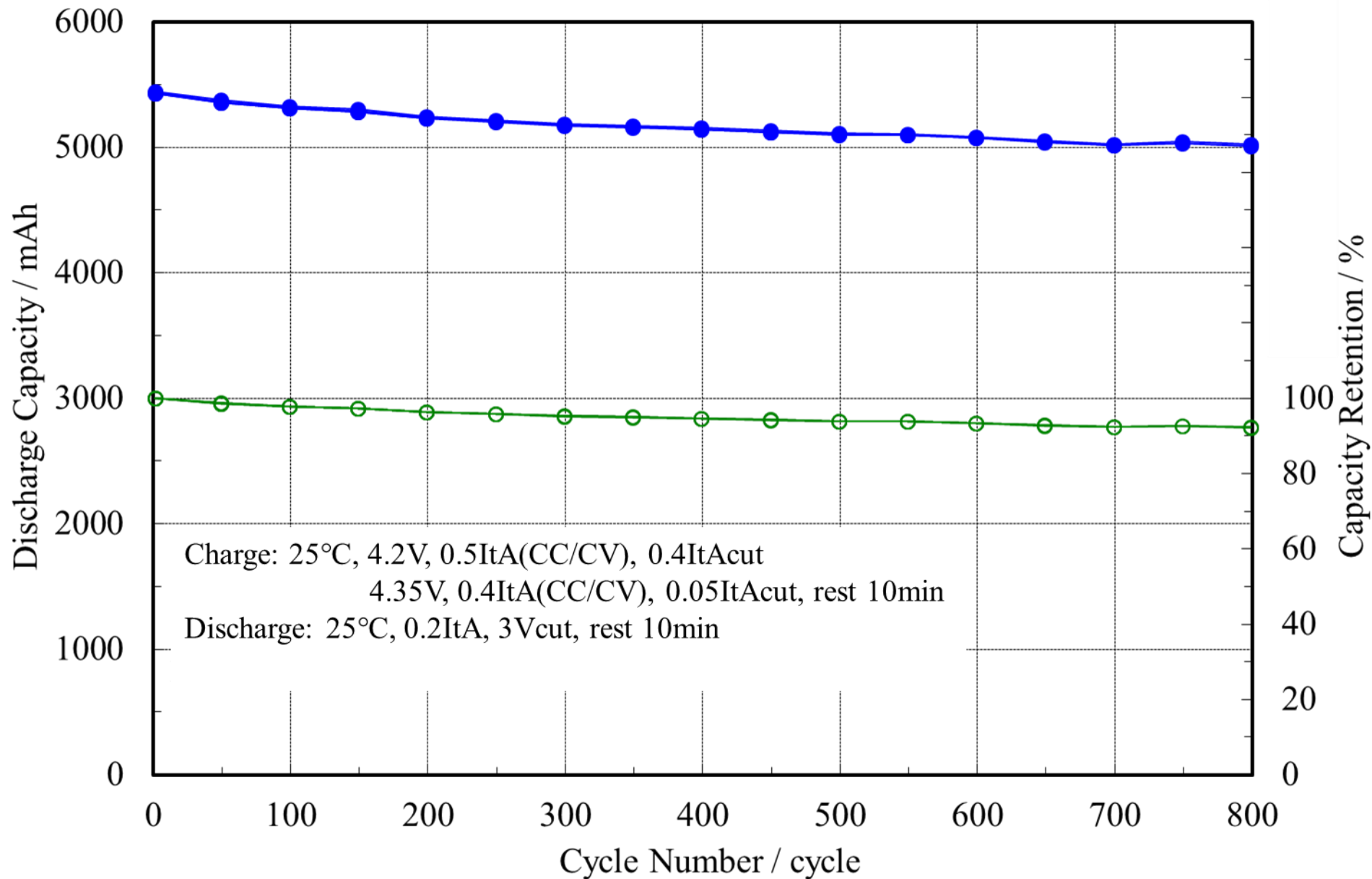
Discharging Profile



Discharge Temperature Performance



Cycle Performance



Cell Size (US25A2F2H3)

