

1. General

1.1 Scope

This specification applies to type
: US269099H5 Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US269099H5

1.2.2 Model Number : US269099H5

1.2.3 Code : 49944050

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer

1.3.2 Size : Thickness 2.57 mm max
Width 89.9 mm max
Length(without Tab) 99 mm max

1.3.3 Weight : 55.3 g (typical)

1.4 Reference test current

1.0 ItA: 3310 mA

1.5 Safety Regulation

Acquired UL1642

2. Performance

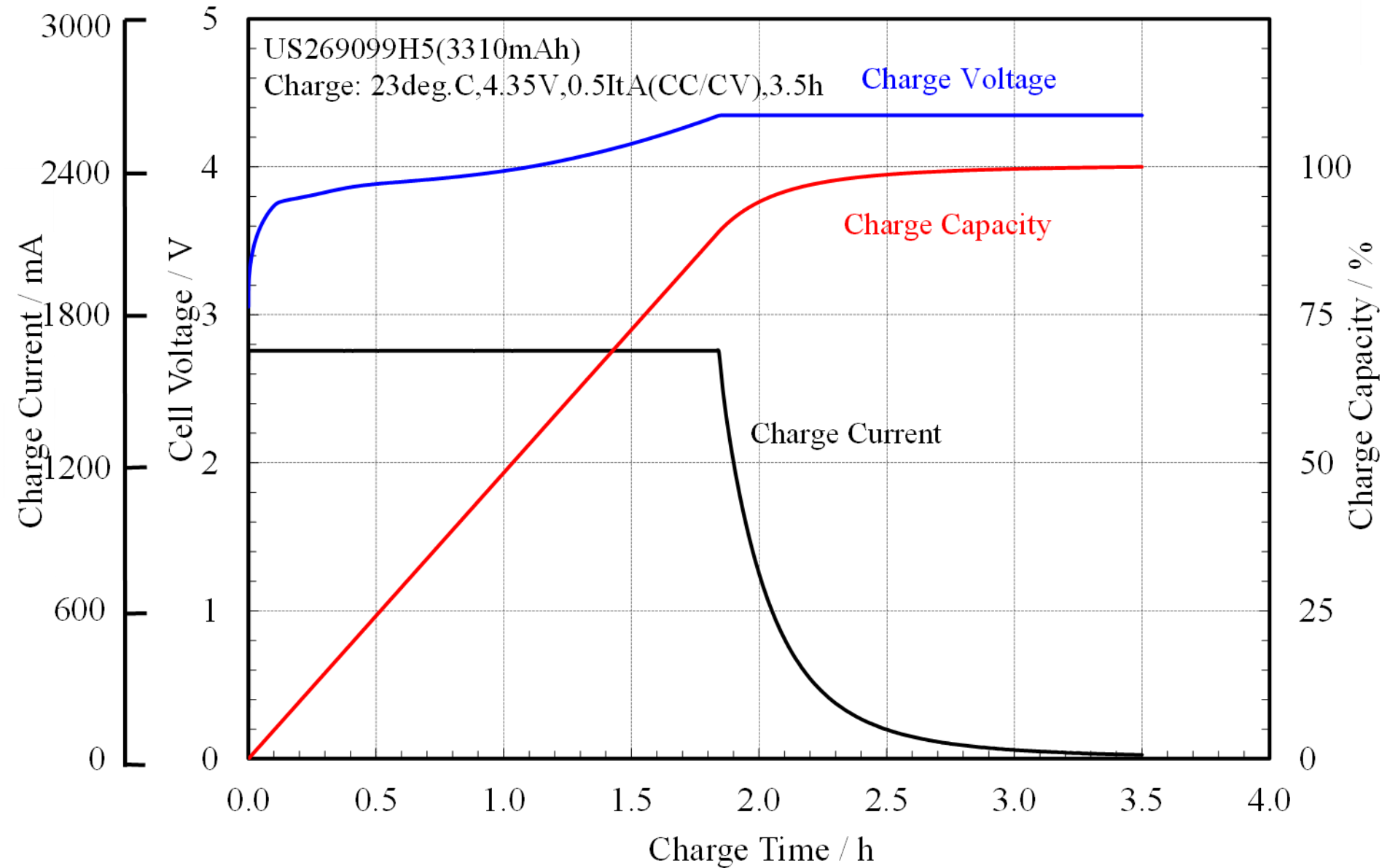
at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	3410mAh	average capacity 3.83 V (average discharge voltage)
	13.06 Wh	
Rated Capacity (0.2ItA discharge)	3310mAh	minimum capacity
	12.58 Wh	
Capacity at 0.5ItA	3380mAh	average capacity
	12.68 Wh	
Capacity at 1.0ItA	3372mAh	average capacity
	12.34 Wh	
Nominal Voltage	3.8 V	
Internal Impedance	25 mΩ	measured by AC1 kHz
Cycle Performance	80% of Initial capacity at 500 cycles	2A discharge rate

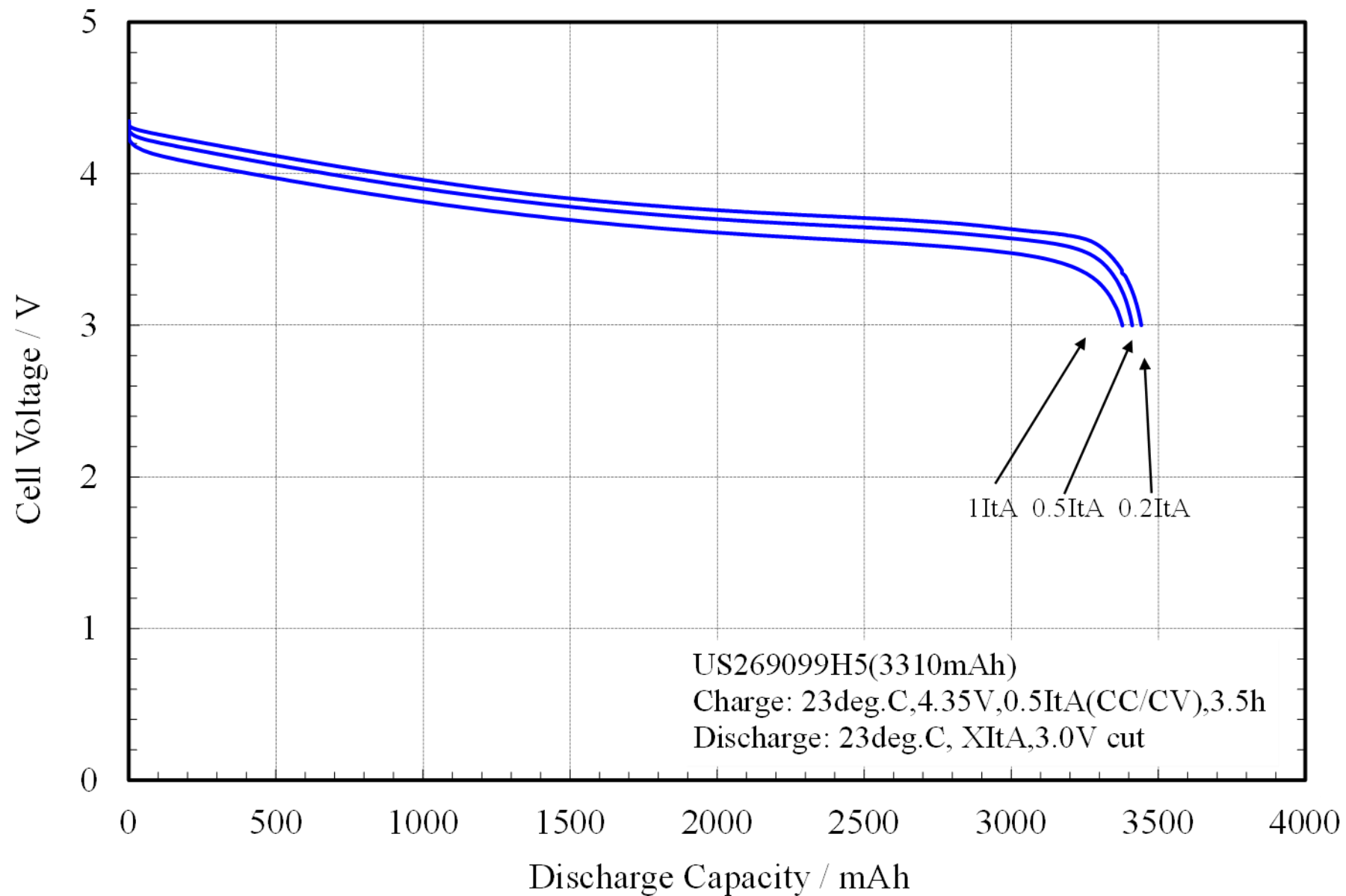
*Standard Charge Condition

Charge Method : constant current / constant voltage
Charge Up Voltage : 4.35 ± 0.05 V
Charge Current : 1.655 A
Charge Time : 3.5 h
Ambiance : 23 °C
Temperature

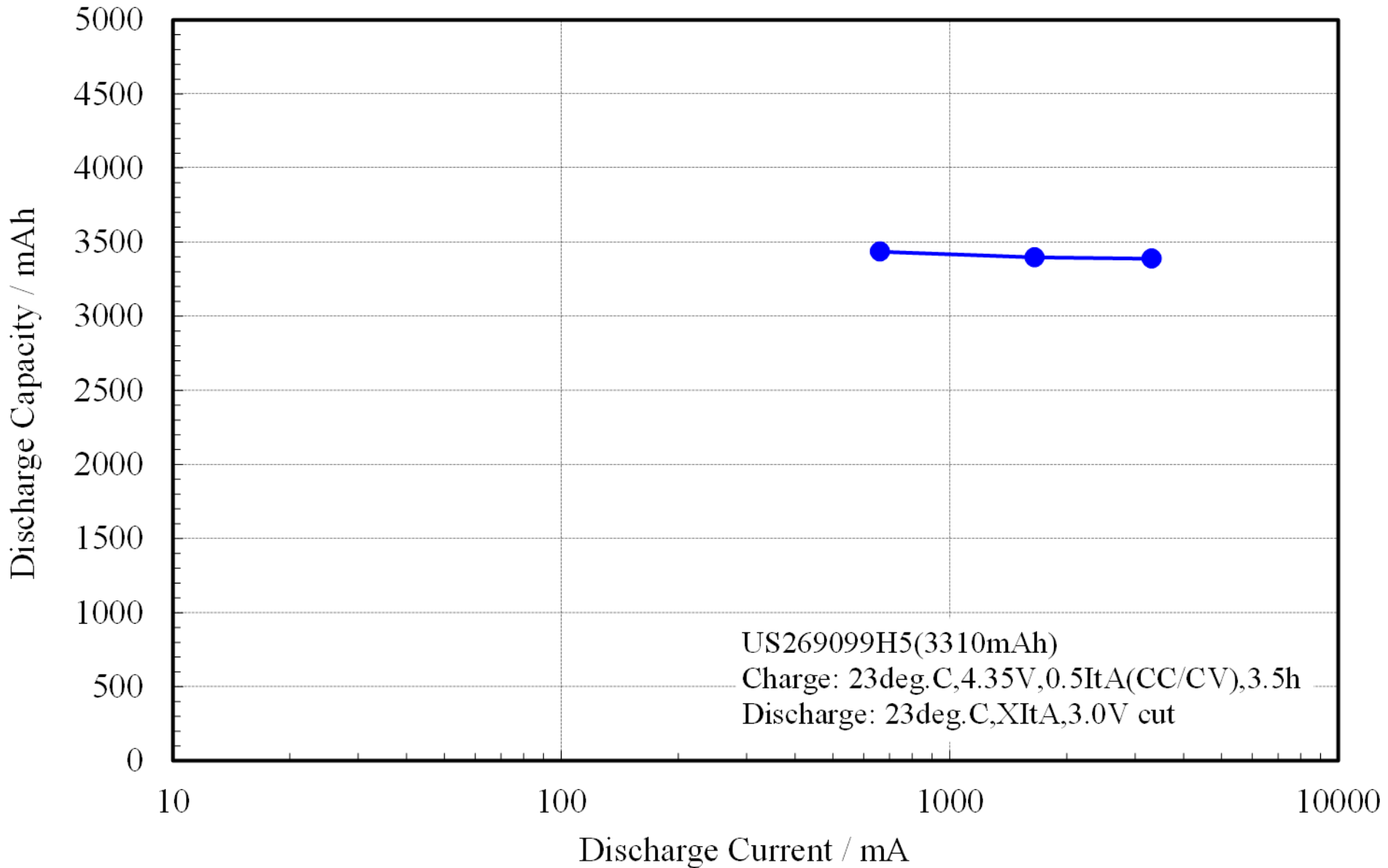
Charging Profile



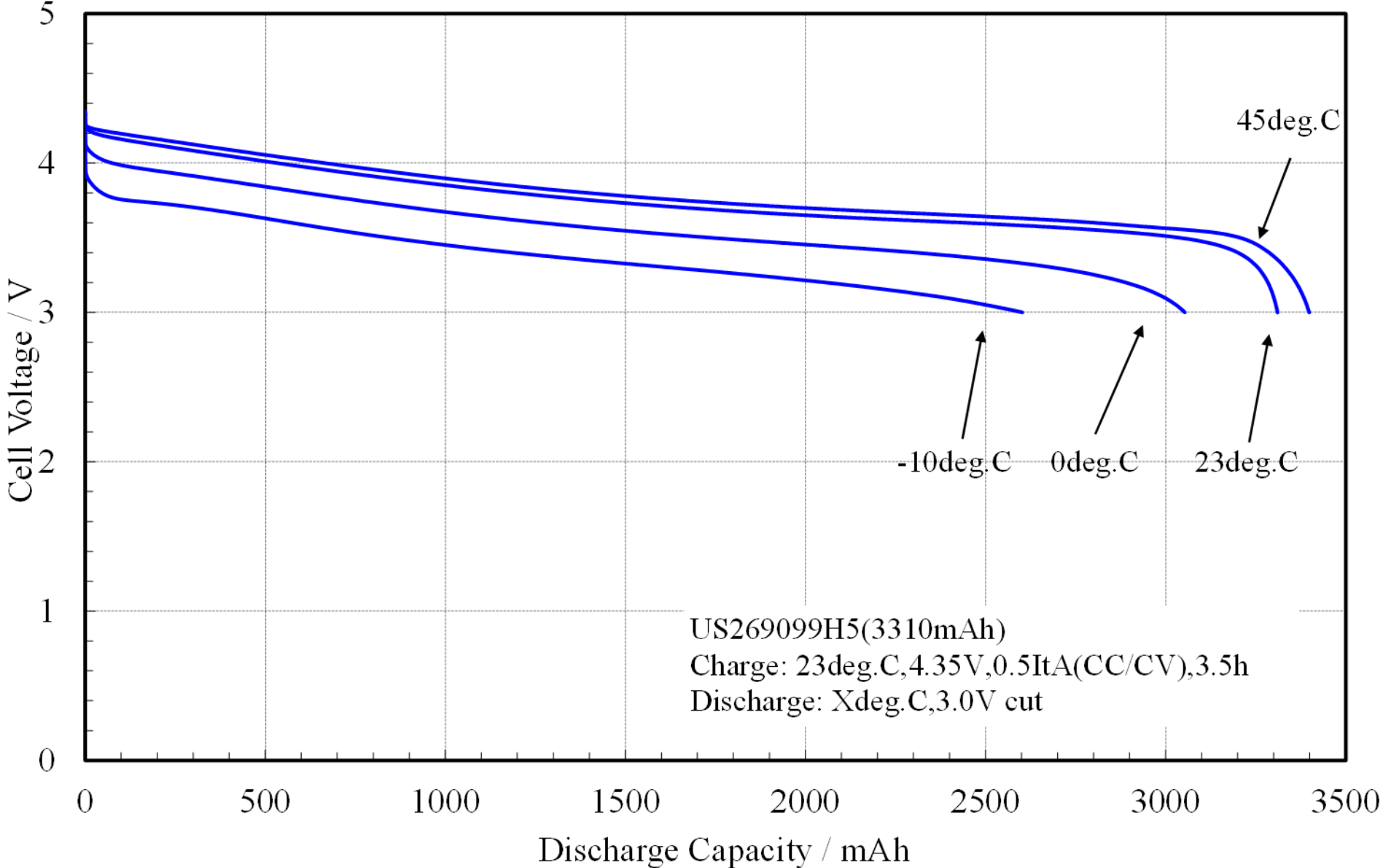
Discharging Profile



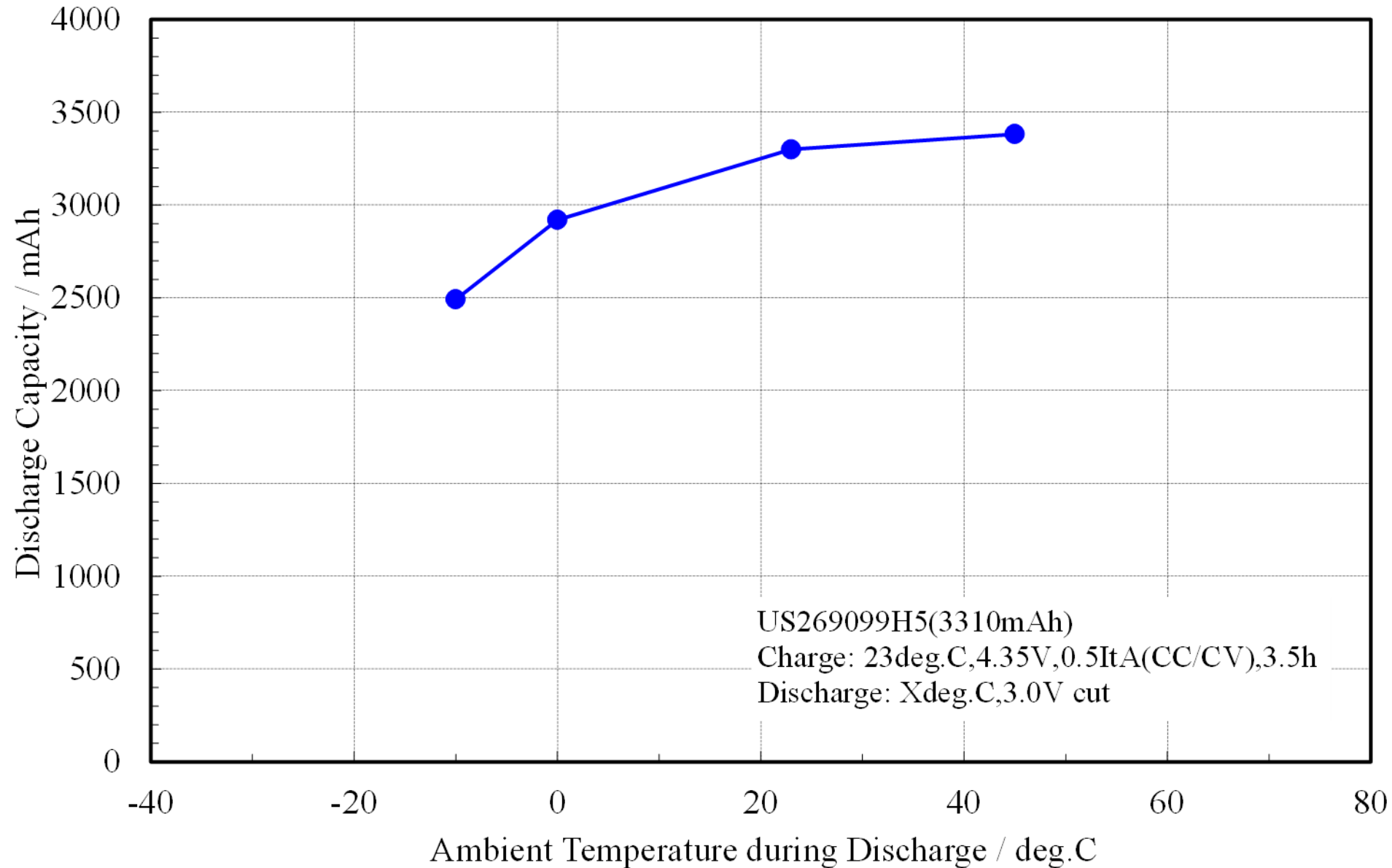
Drain Capability



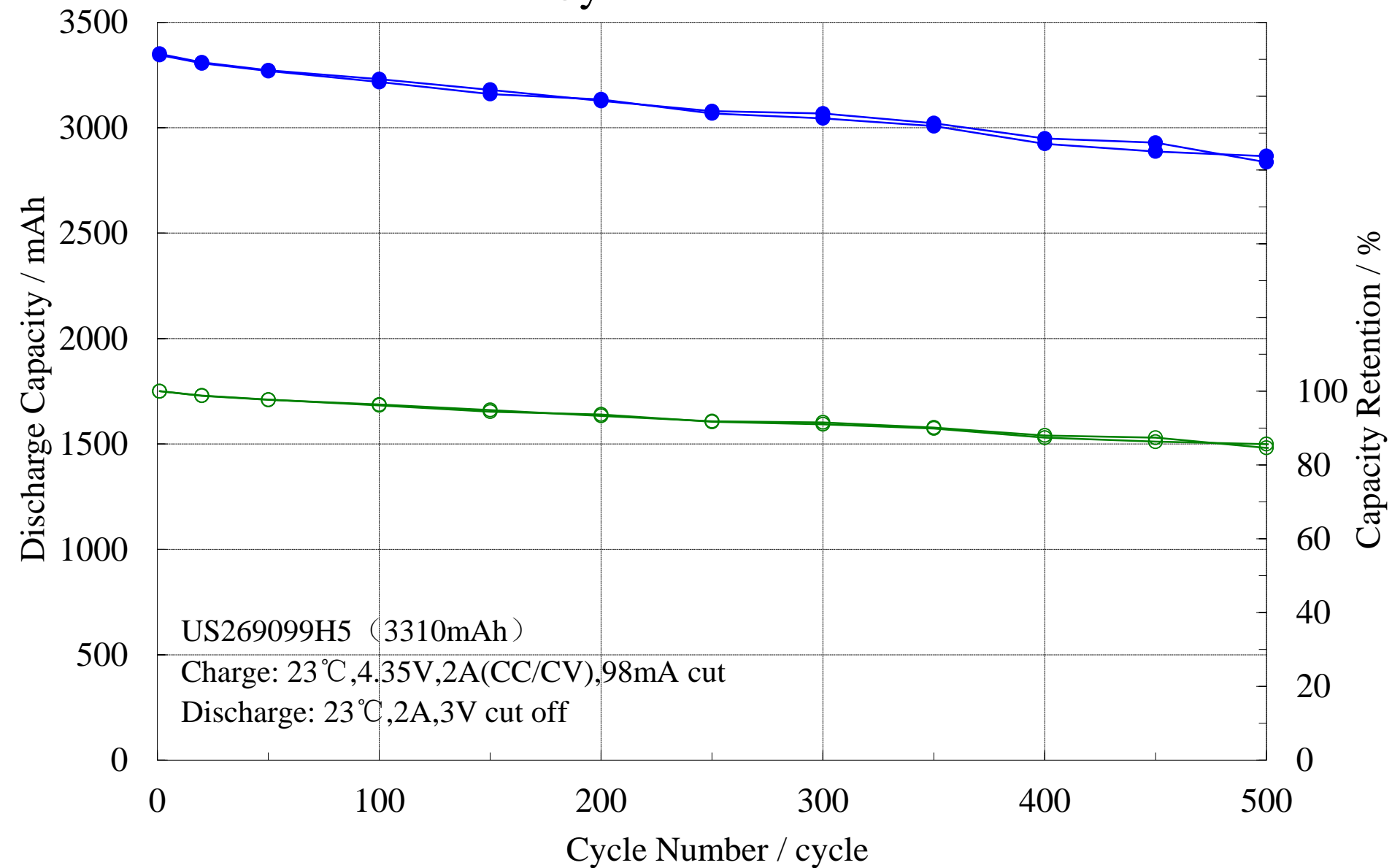
Discharging Profile



Discharging Temperature Performance



Cycle Performance



Cell Size (US269099H5)

