

1. General

1.1 Scope

This specification applies to type

: US515569H5 Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US515569H5

1.2.2 Model Number : US515569H5

1.2.3 Code : 49941879

: 49942717 (SOC 30% less than)

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer

1.3.2 Size : Thickness 5.09 mm max
Width 54.16 mm max
Length(without Tab) 68.7 mm max

1.3.3 Weight : 44.4 g (typical)

1.4 Reference test current

1.0 ItA: 2790 mA

1.5 Safety Regulation

Murata acquired UL1642

2. Performance

at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	2870mAh	average capacity 3.8 V (average discharge voltage)
	10.9 Wh	
Rated Capacity (0.2ItA discharge)	2790mAh	minimum capacity
	10.6 Wh	
Capacity at 0.5ItA	2734mAh	average capacity
	10.33 Wh	
Capacity at 1.0ItA	2626mAh	average capacity
	9.7 Wh	
Nominal Voltage	3.8 V	
Internal Impedance	35 mΩ	measured by AC1 kHz
Cycle Performance	80% of Initial capacity at 500 cycles	

*Standard Charge Condition

Charge Method : constant current / constant voltage

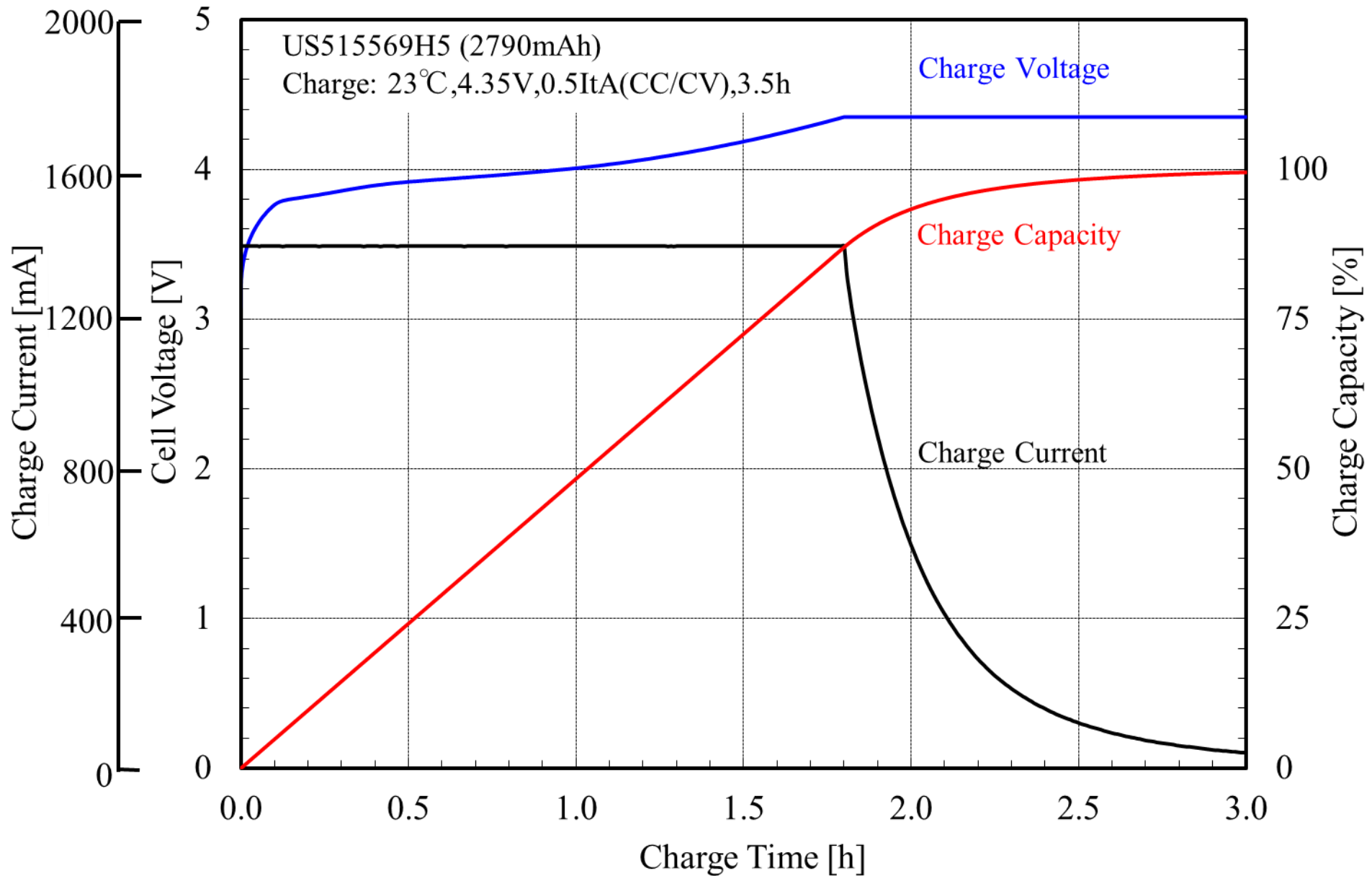
Charge Up Voltage : 4.35 ± 0.05 V

Charge Current : 1.395 A

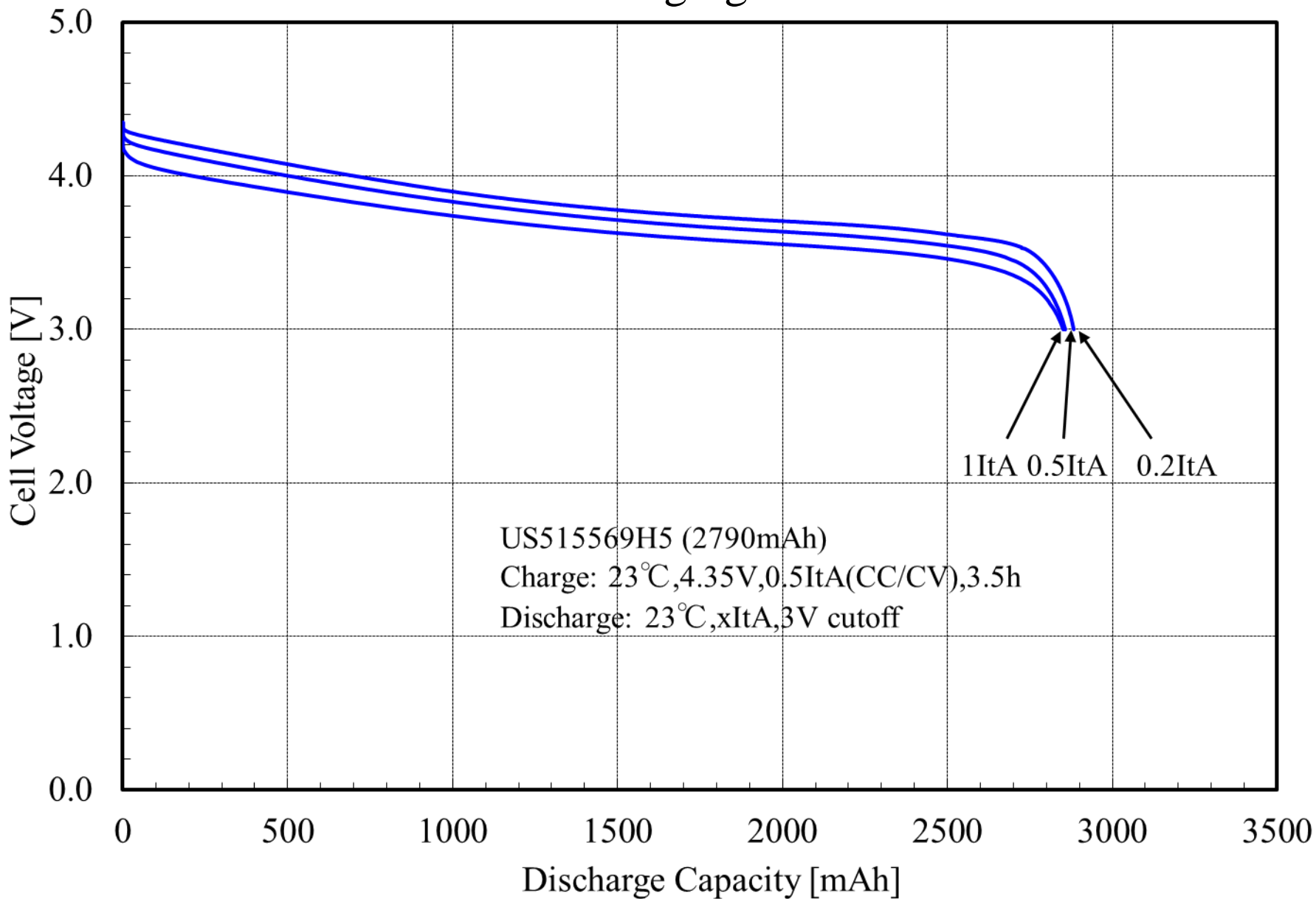
Charge Time : 3.5 h

Ambiance Temperature : 23 °C

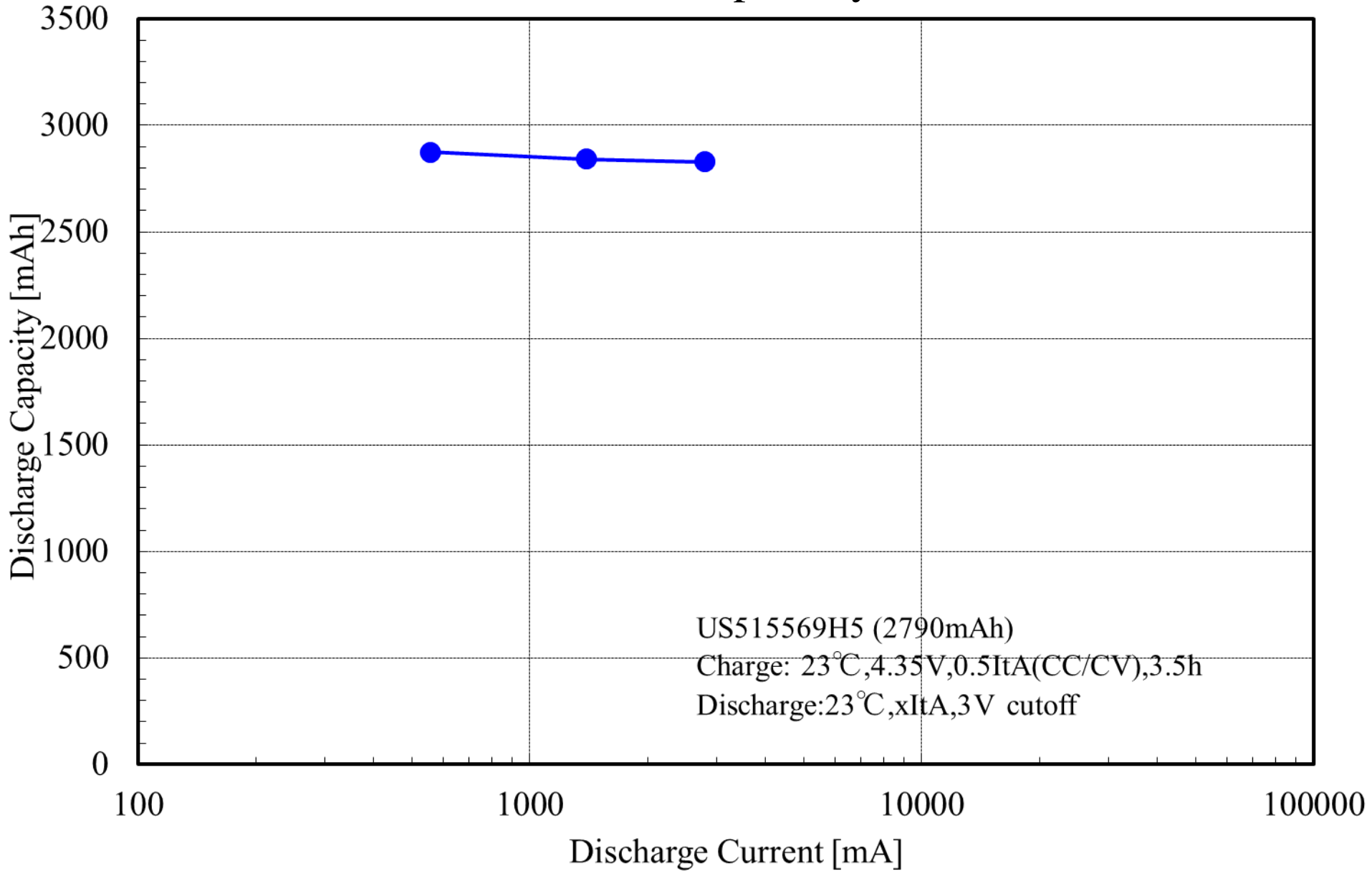
Charging Profile



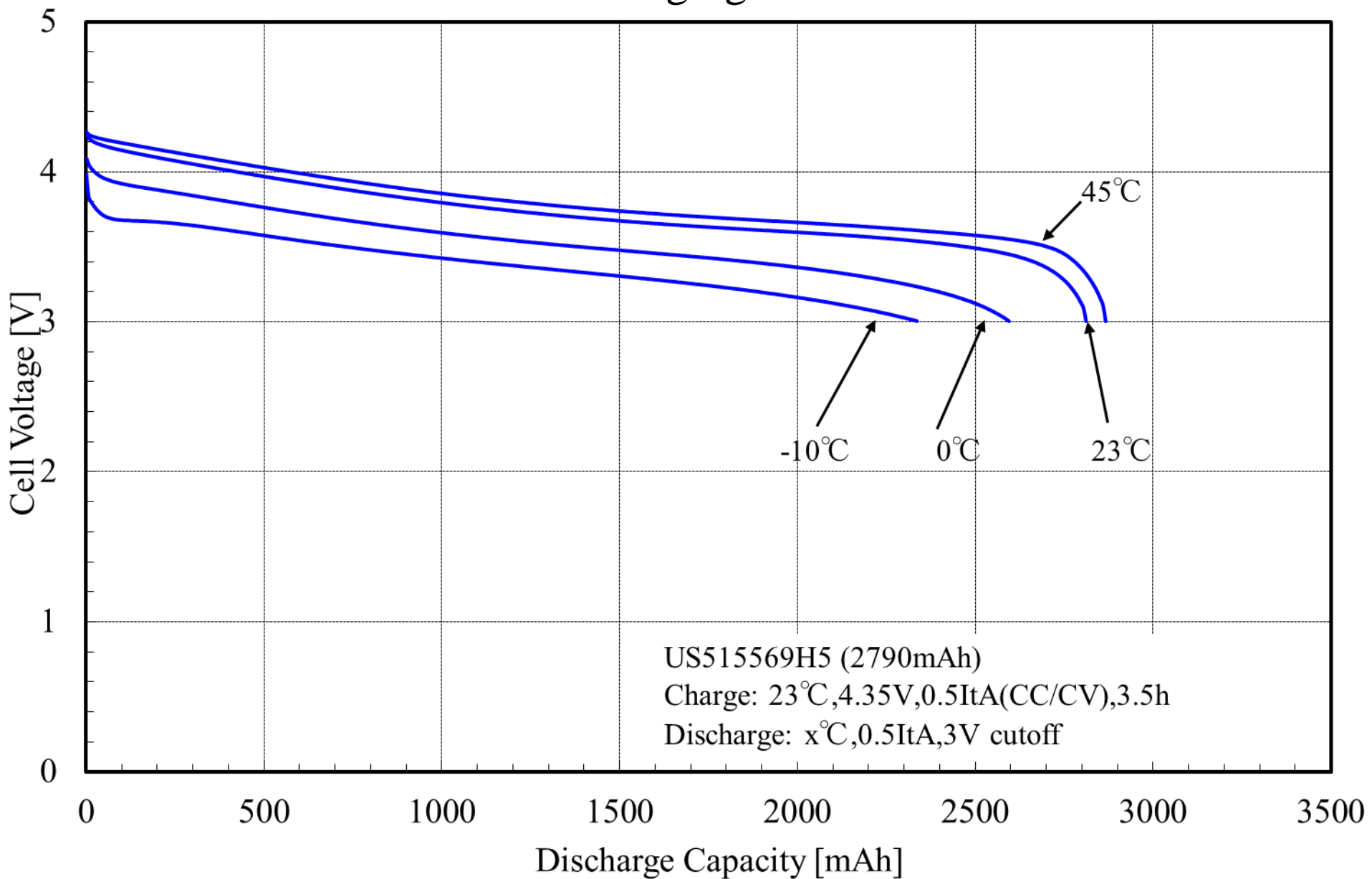
Discharging Profile



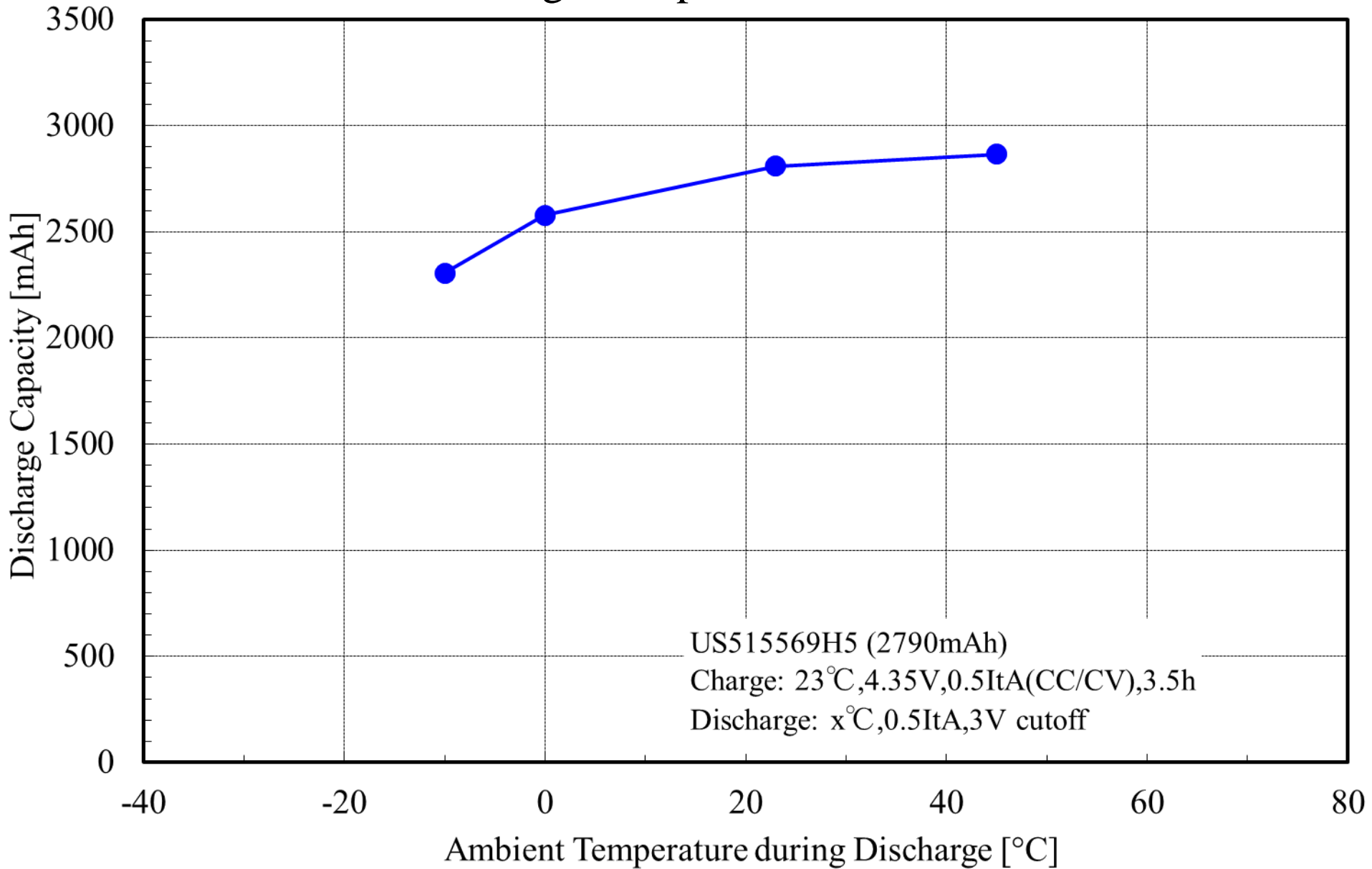
Drain Capability



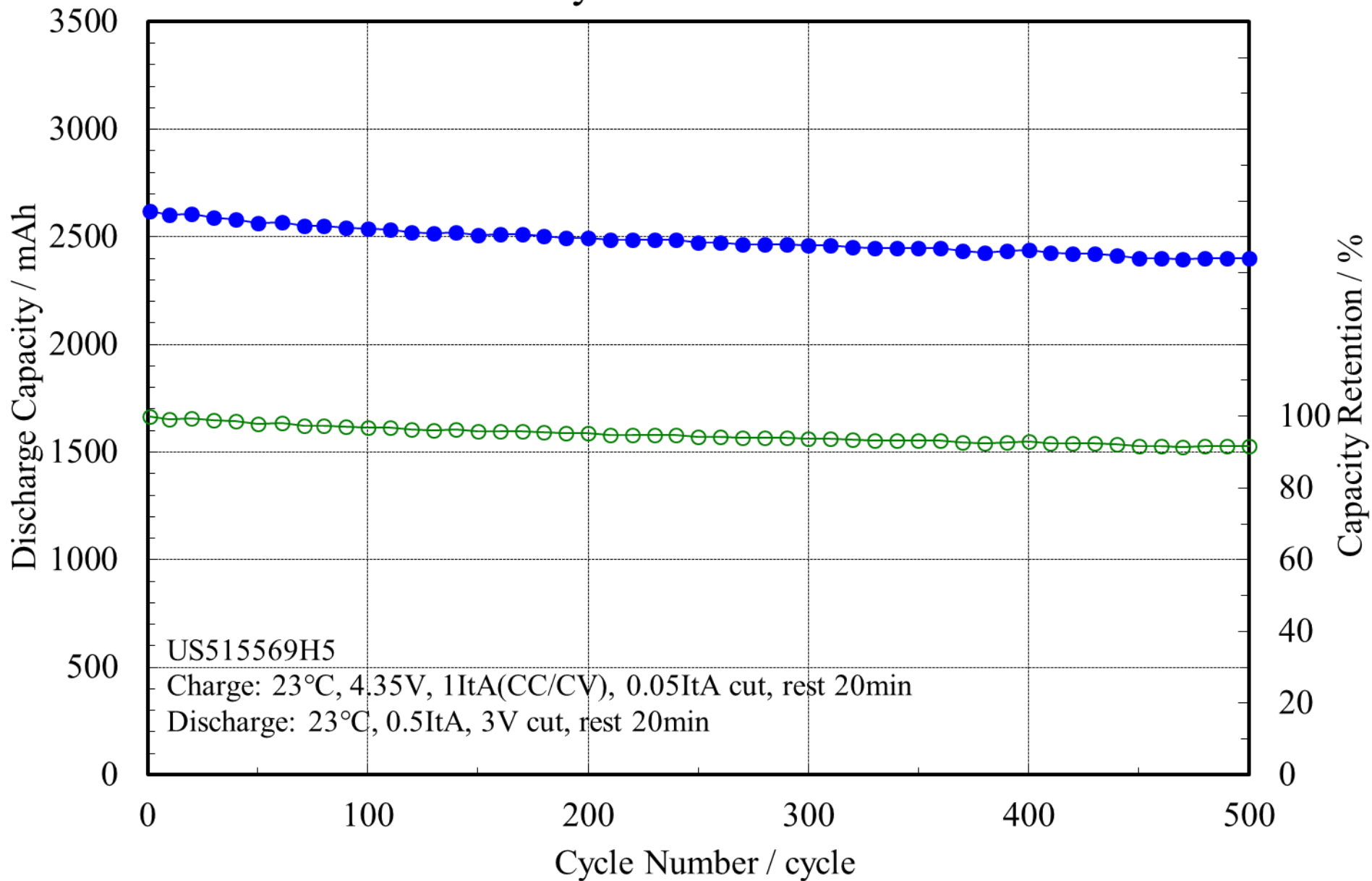
Discharging Profile



Discharge Temperature Performance



Cycle Performance



Cell Size (US515569H5)

