

1. General

1.1 Scope

This specification applies to type

: US485490H5K Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US485490H5

1.2.2 Model Number : US485490H5K

1.2.3 Code : 49941819

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer

1.3.2 Size : Thickness 4.8 mm max
Width 54 mm max
Length(without Tab) 90 mm max

1.3.3 Weight : 56.4 g (typical)

1.4 Reference test current

1.0 ItA: 3570 mA

1.5 Safety Regulation

Murata acquired UL1642

2. Performance

at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	3690mAh	average capacity 3.82 V (average discharge voltage)
	14.11 Wh	
Rated Capacity (0.2ItA discharge)	3570mAh	minimum capacity
	13.57 Wh	
Capacity at 0.5ItA	3689mAh	average capacity
	13.84 Wh	
Capacity at 1.0ItA	3673mAh	average capacity
	13.42 Wh	
Nominal Voltage	3.8 V	
Internal Impedance	36.6 mΩ	measured by AC1 kHz
Cycle Performance	80% of Initial capacity at 500 cycles	0.5 ItA discharge rate

*Standard Charge Condition

Charge Method : constant current / constant voltage

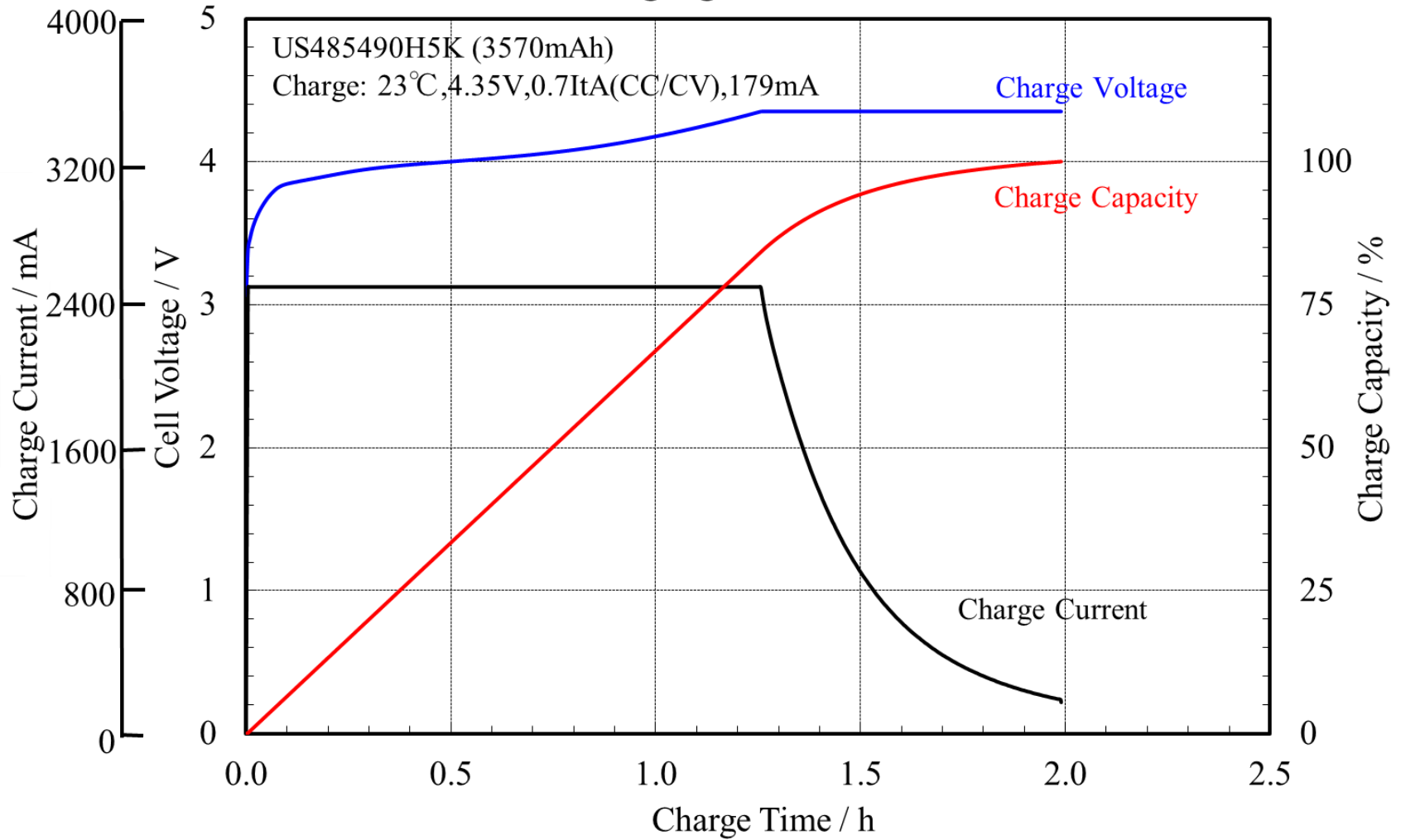
Charge Up Voltage : 4.35 ± 0.05 V

Charge Current : 2.499 A

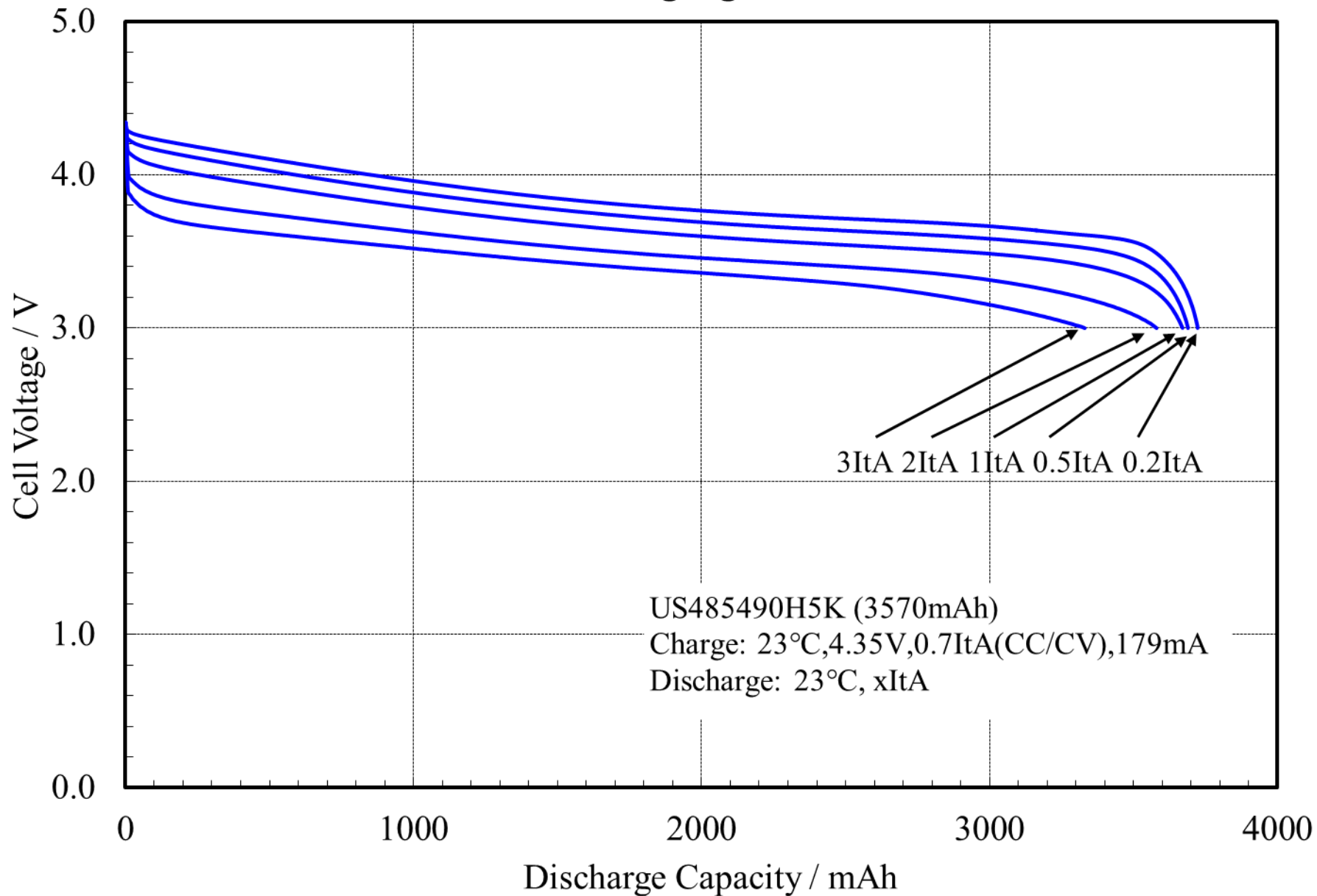
Charge Cut off Current : 179 mA

Ambiance Temperature : 23 °C

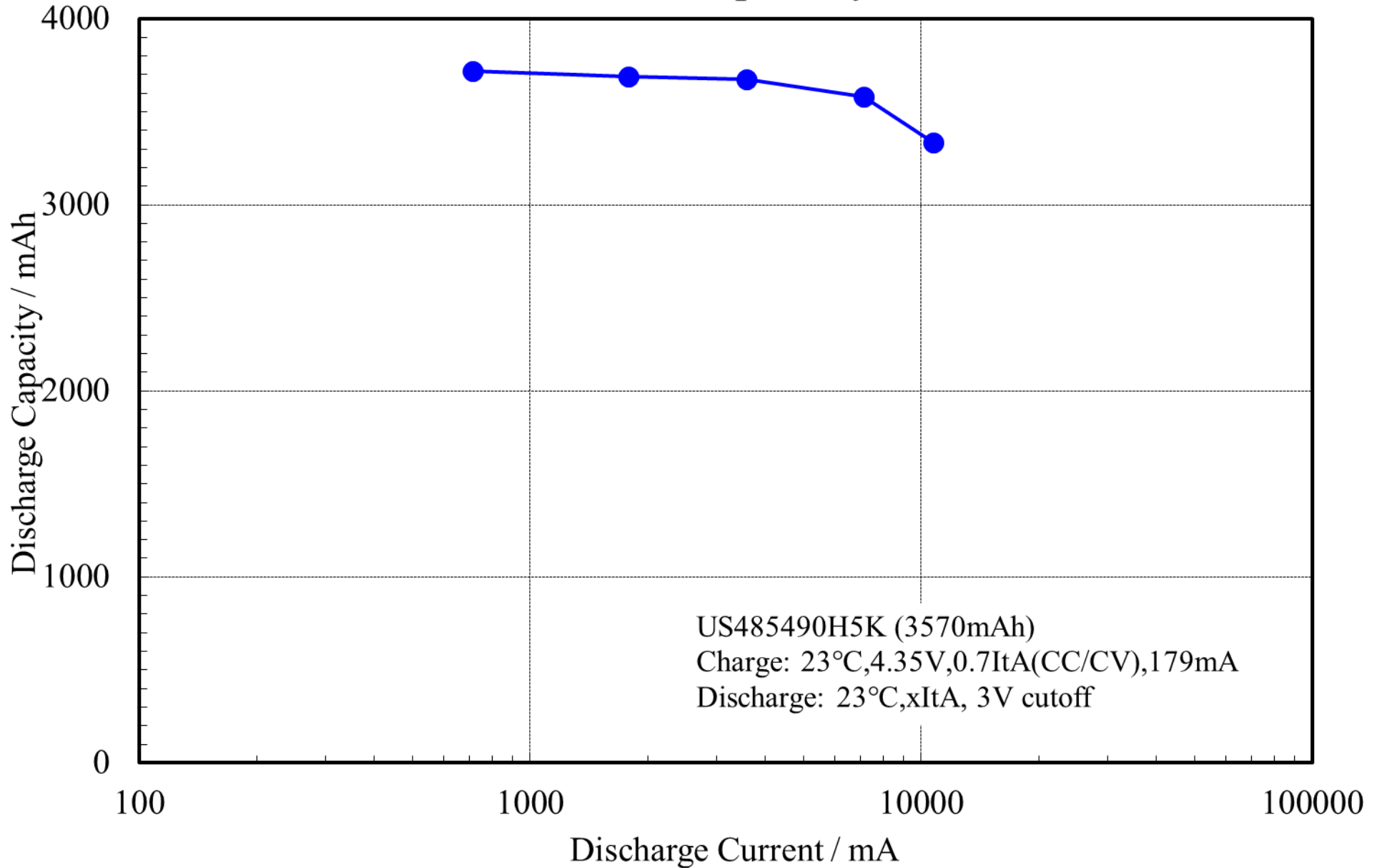
Charging Profile



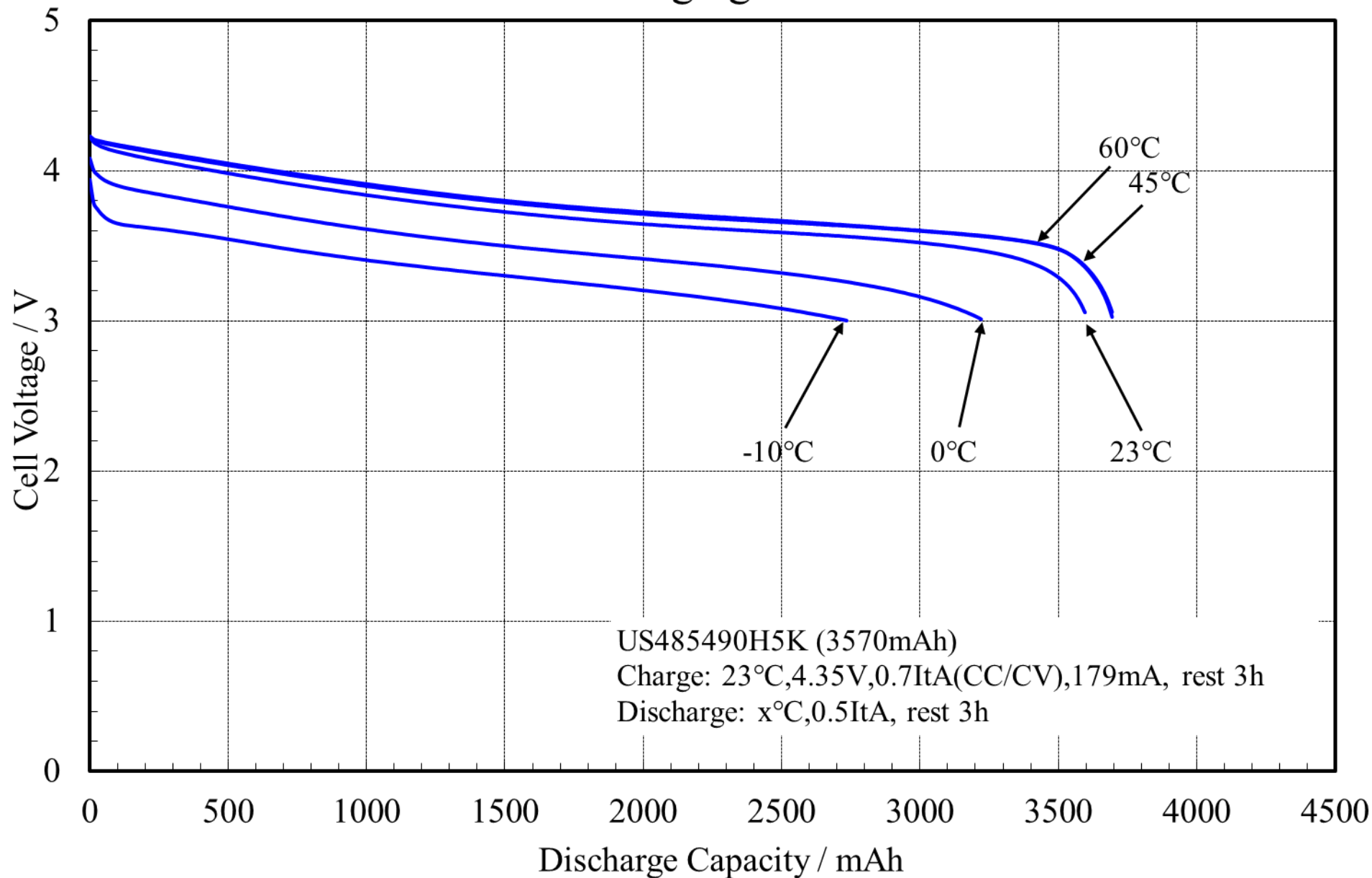
Discharging Profile



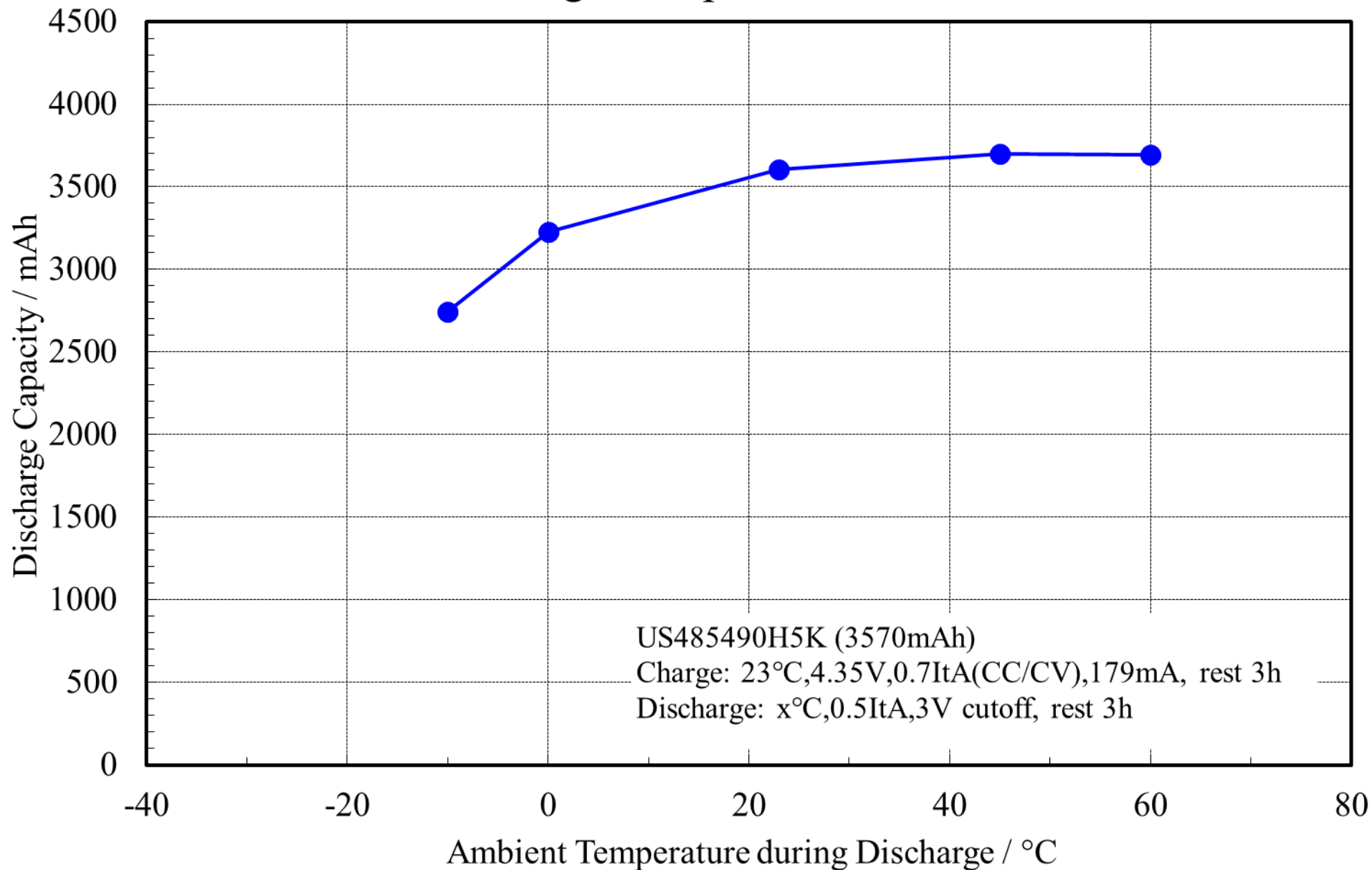
Drain Capability



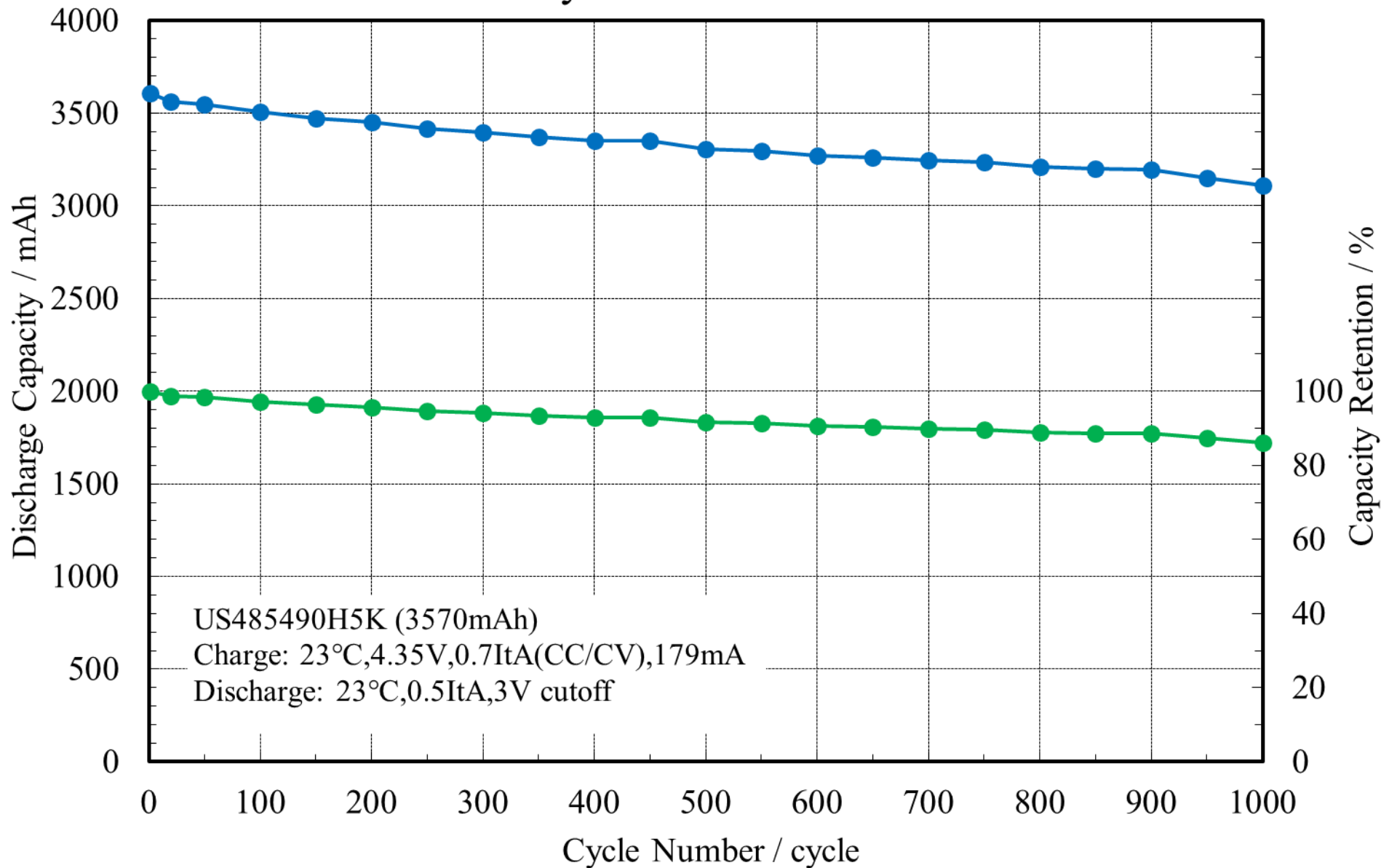
Discharging Profile



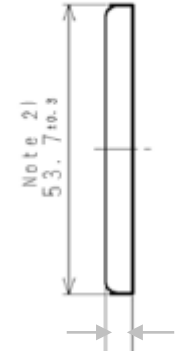
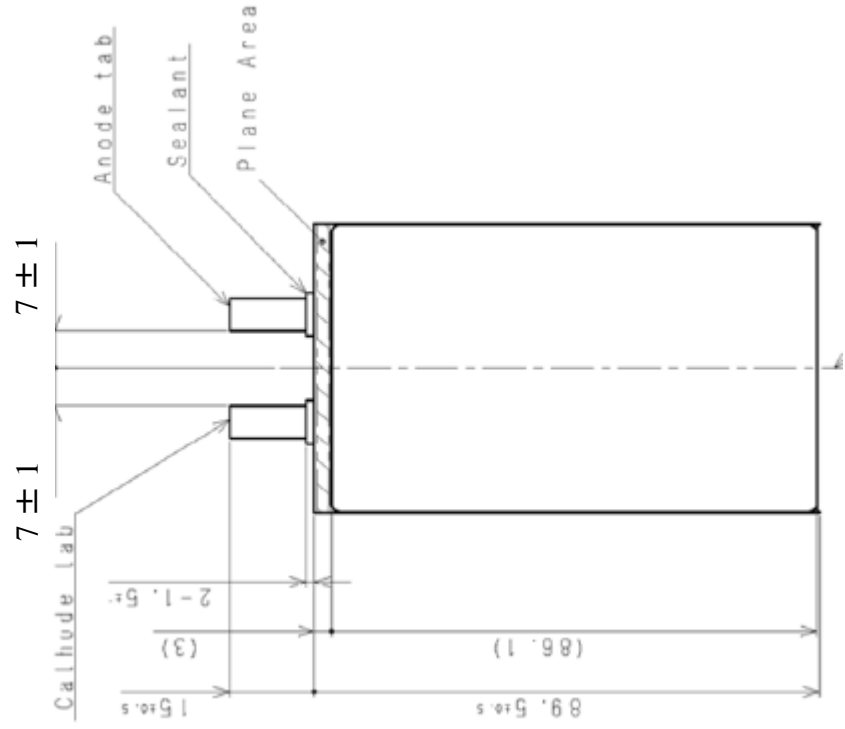
Discharge Temperature Performance



Cycle Performance



Cell Size (US485490H5K)



Shipping state 4.67 ± 0.09
 Full Charge state 4.71 ± 0.09