

1. General

1.1 Scope

This specification applies to type

: US289490BH7 Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US289490BH7

1.2.2 Model Number : US289490BH7

1.2.3 Code : 49943943

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer

1.3.2 Size : Thickness 2.8 mm max

Width 94 mm max

Length(without Tab) 90 mm max

1.3.3 Weight : 56.2 g (typical)

1.4 Reference test current

1.0 ItA: 3695 mA

1.5 Safety Regulation

Murata acquired UL1642

2. Performance

at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	3580mAh	average capacity 3.80V (average discharge voltage)
	13.78 Wh	
Rated Capacity (0.2ItA discharge)	3510mAh	minimum capacity
	13.34 Wh	
Capacity at 0.5ItA	3500mAh	average capacity
	13.11 Wh	
Capacity at 1.0ItA	3397mAh	average capacity
	12.52 Wh	
Nominal Voltage	3.8 V	
Internal Impedance	30 mΩ	measured by AC1 kHz
Cycle Performance	80% of Initial capacity at 500 cycles	0.7 ItA discharge rate

* Standard Charge Condition

Charge Method : constant current / constant voltage

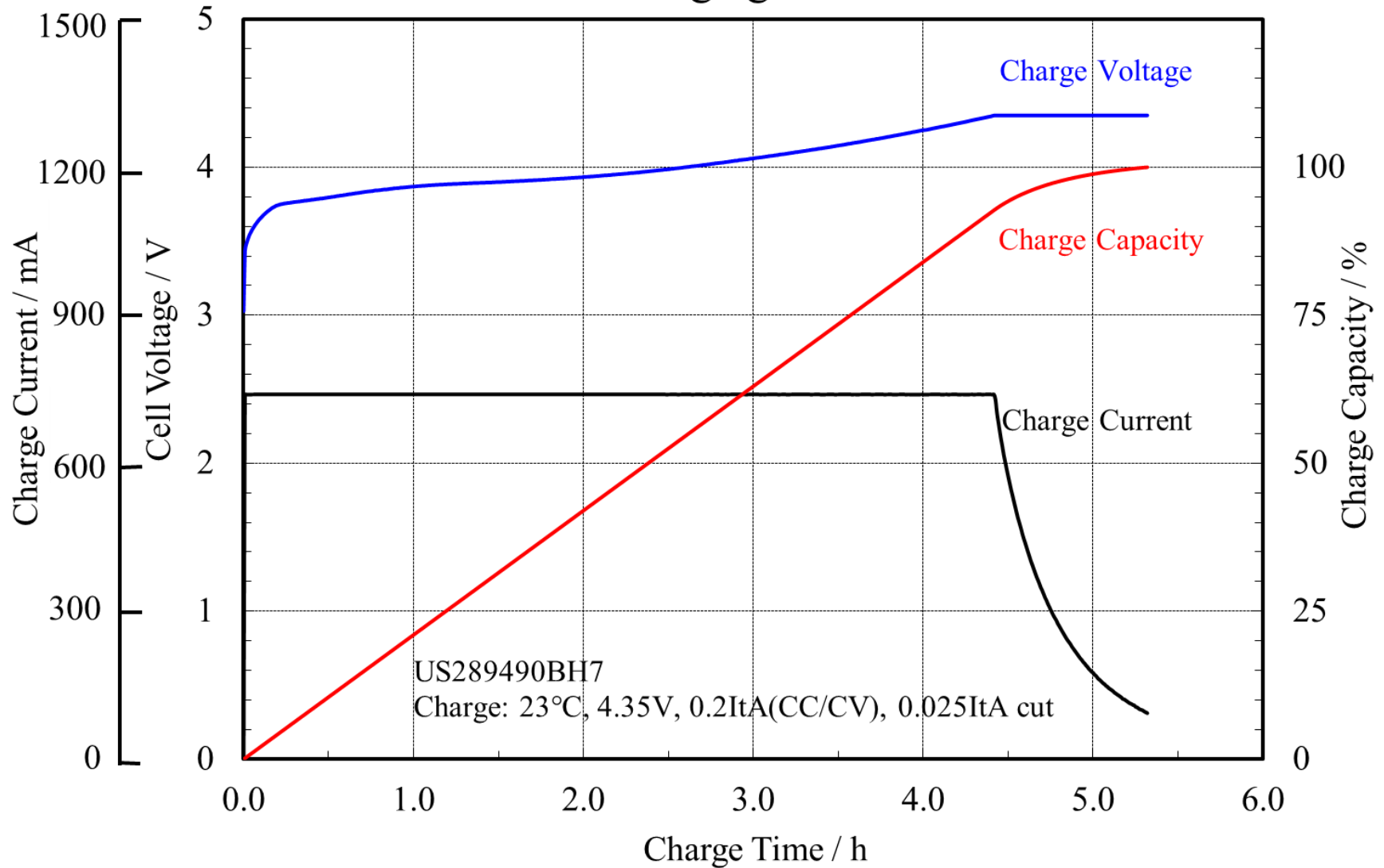
Charge Up Voltage : 4.35 V ± 0.05V

Charge Current : 0.739 A

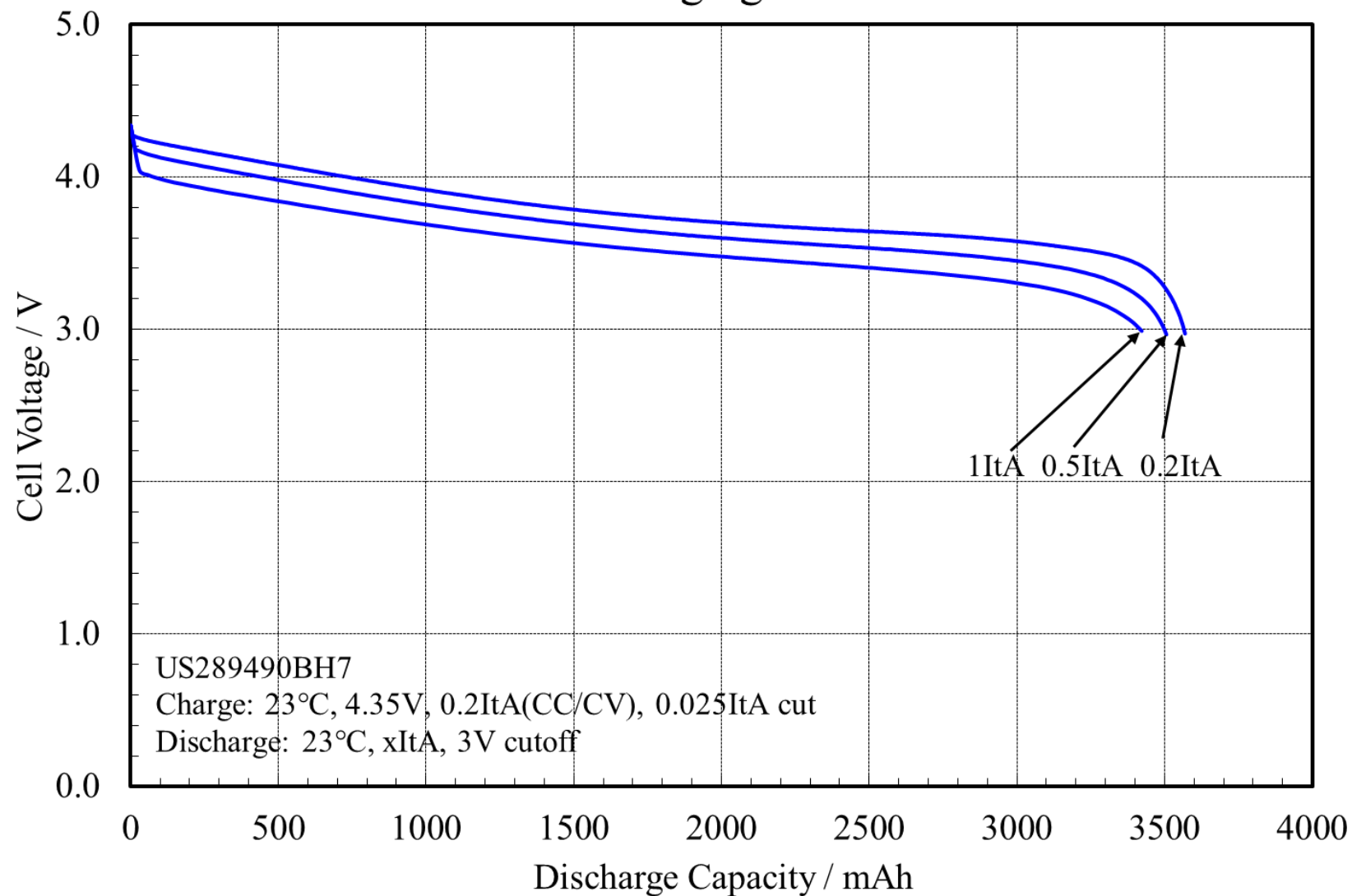
Charge Cut off Current : 93 mA

Ambiance Temperature : 23 °C

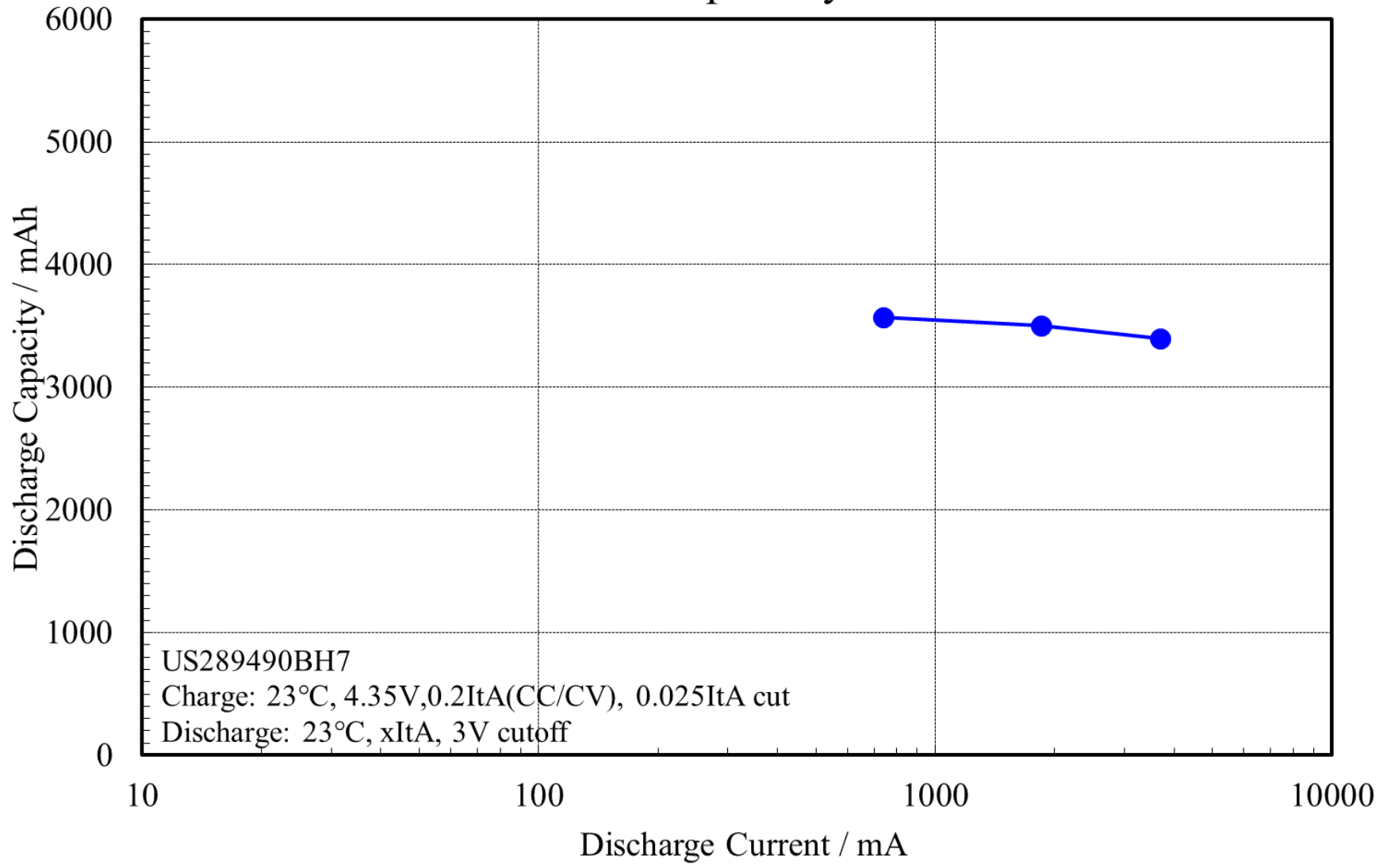
Charging Profile



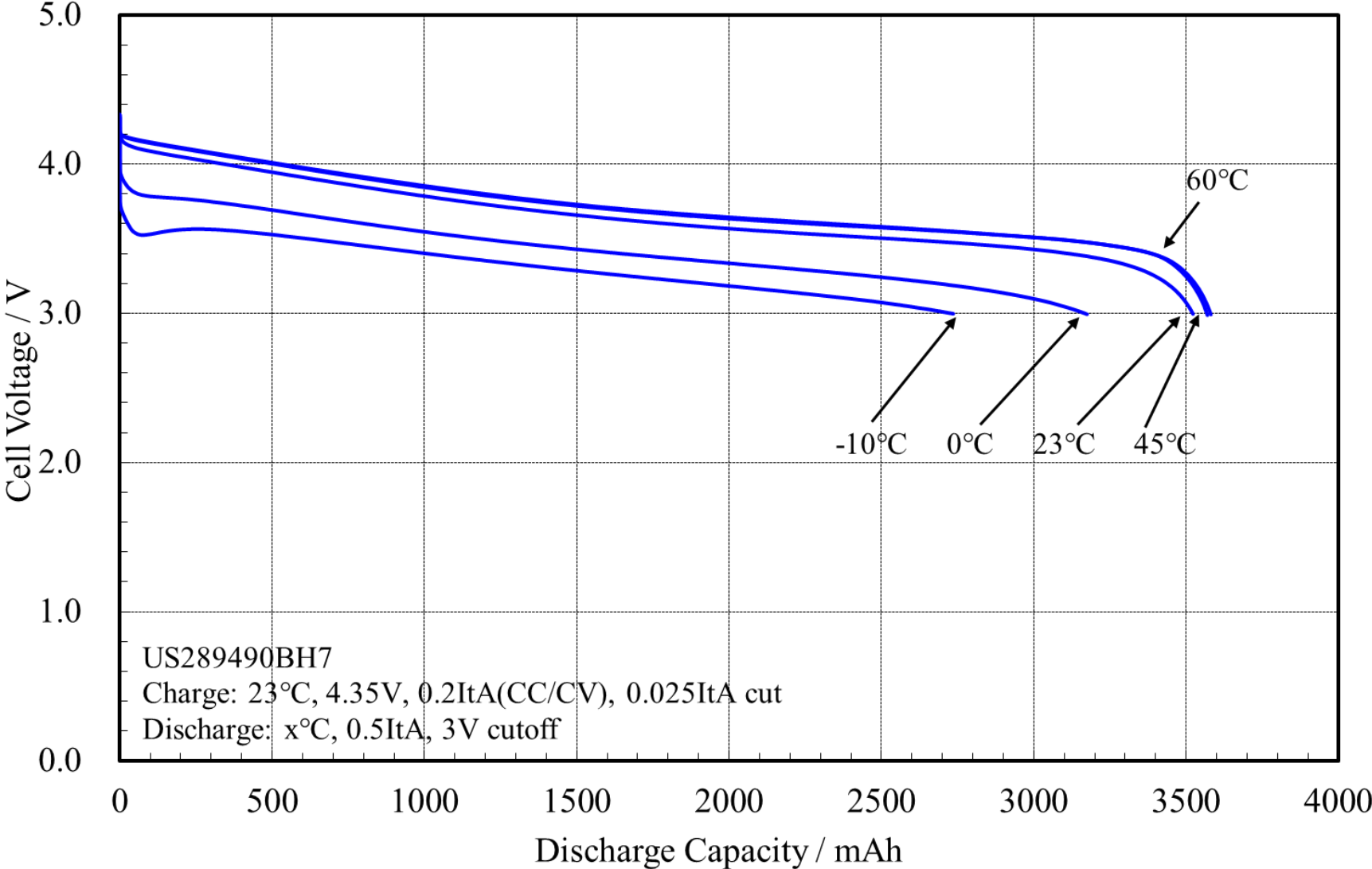
Discharging Profile



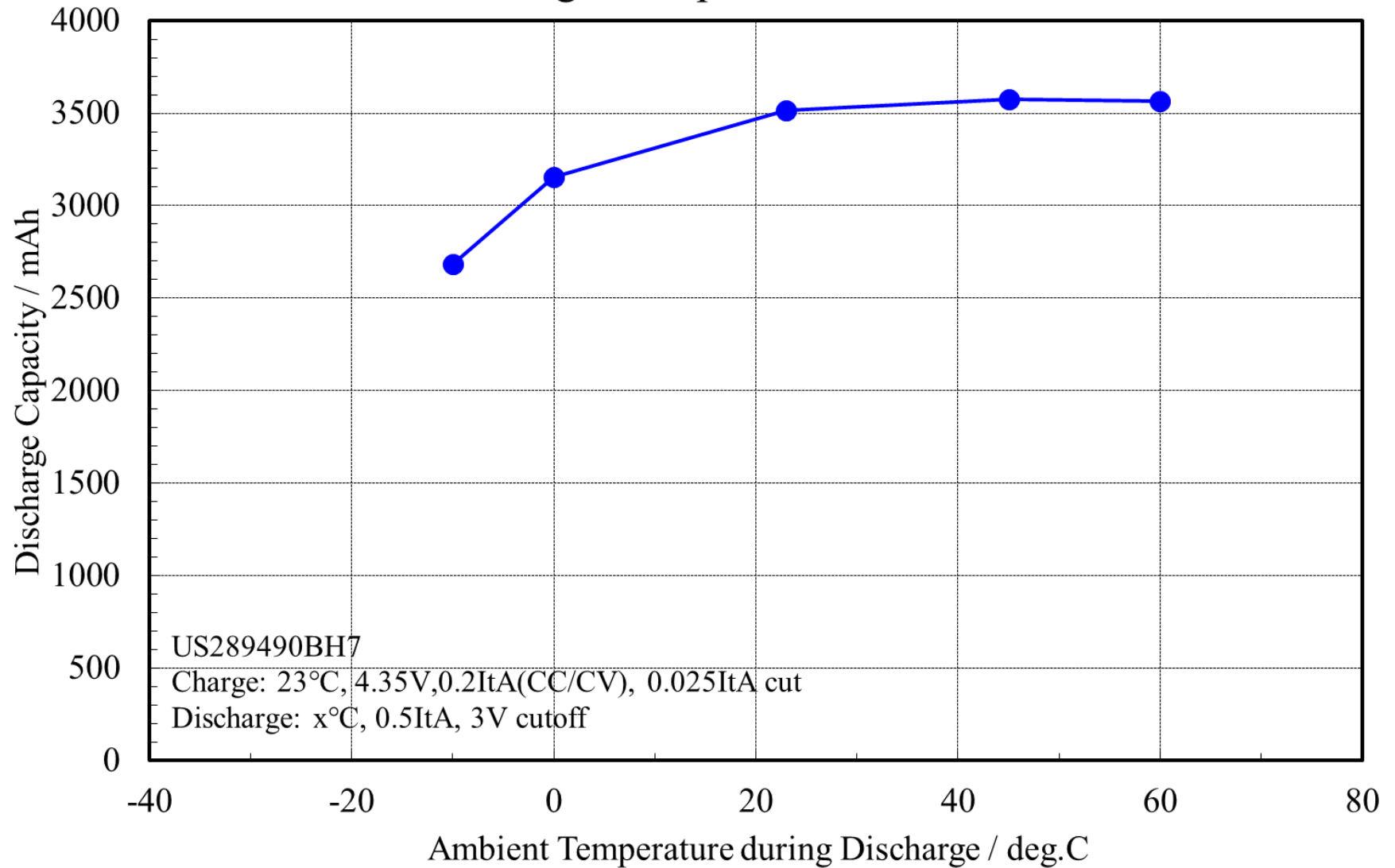
Drain Capability



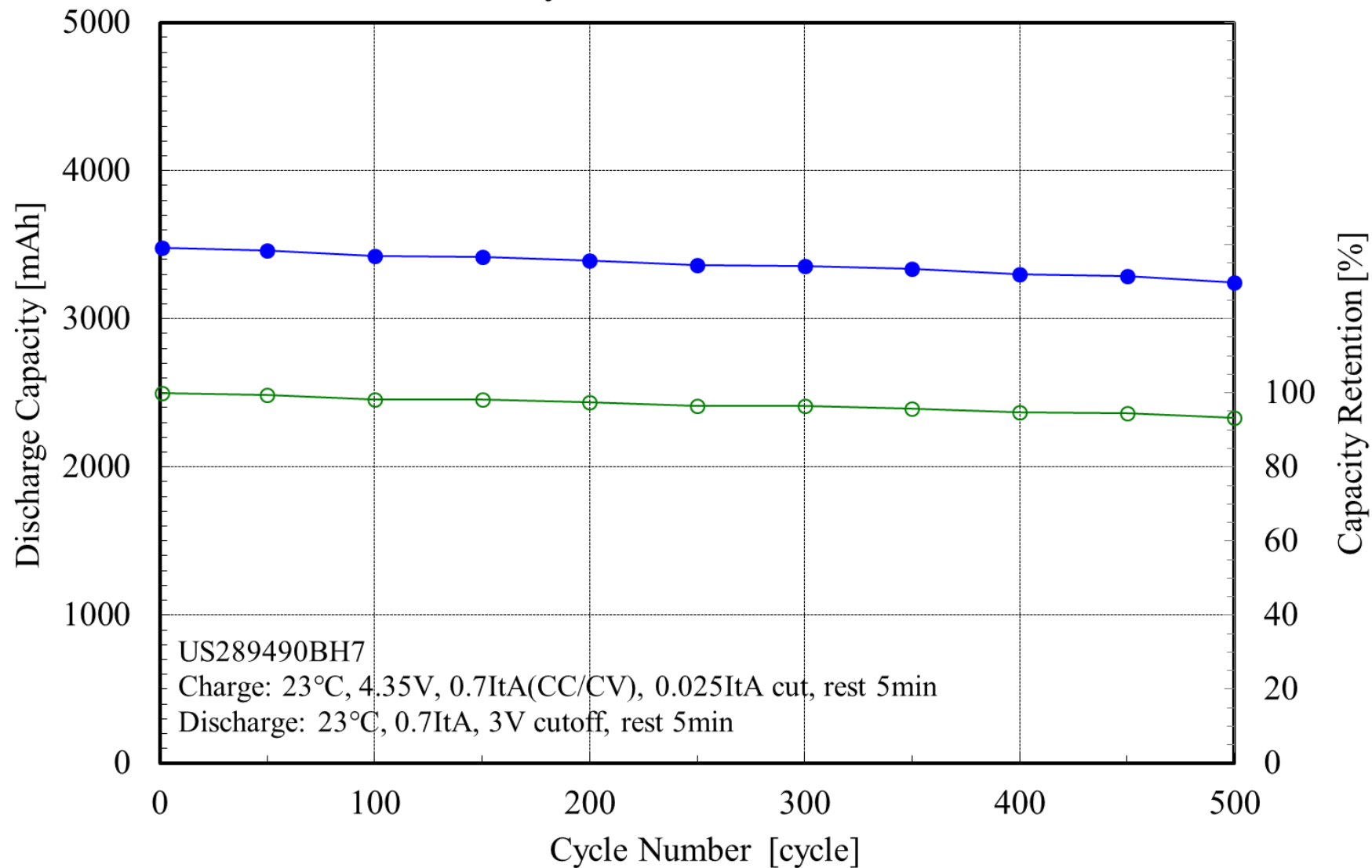
Discharging Profile



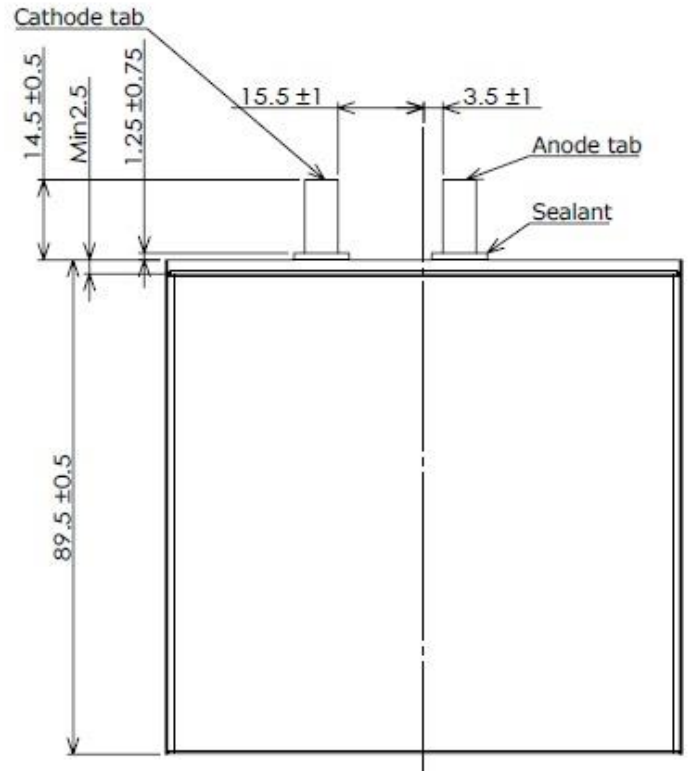
Discharge Temperature Performance



Cycle Performance



Cell Size (US289490BH7)



Same opposite face

