

1. General

1.1 Scope

This specification applies to type

: US495473BH7 Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US495473BH7

1.2.2 Model Number : US495473BH7

1.2.3 Code : 49943402

: 49943427* (SOC30% less than)

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer

1.3.2 Size : Thickness 4.9 mm max
Width 53.78 mm max
Length(without Tab) 72.6 mm max

1.3.3 Weight : 46.9 g (typical)

1.4 Reference test current

1.0 ItA: 3150 mA

1.5 Safety Regulation

Murata acquired UL1642

2. Performance

at room temperature, 3.0V cut off

| | | |
|--|---|--|
| Nominal Capacity (0.2ItA discharge) | 3060mAh | average capacity 3.8 V (average discharge voltage) |
| | 11.64Wh | |
| Rated Capacity (0.2ItA discharge) | 2980mAh | minimum capacity |
| | 11.36Wh | |
| Capacity at 0.5ItA | 2890mAh | average capacity |
| | 10.71Wh | |
| Capacity at 1.0ItA | 2720mAh | average capacity |
| | 9.77Wh | |
| Nominal Voltage | 3.8 V | |
| Internal Impedance | 28 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

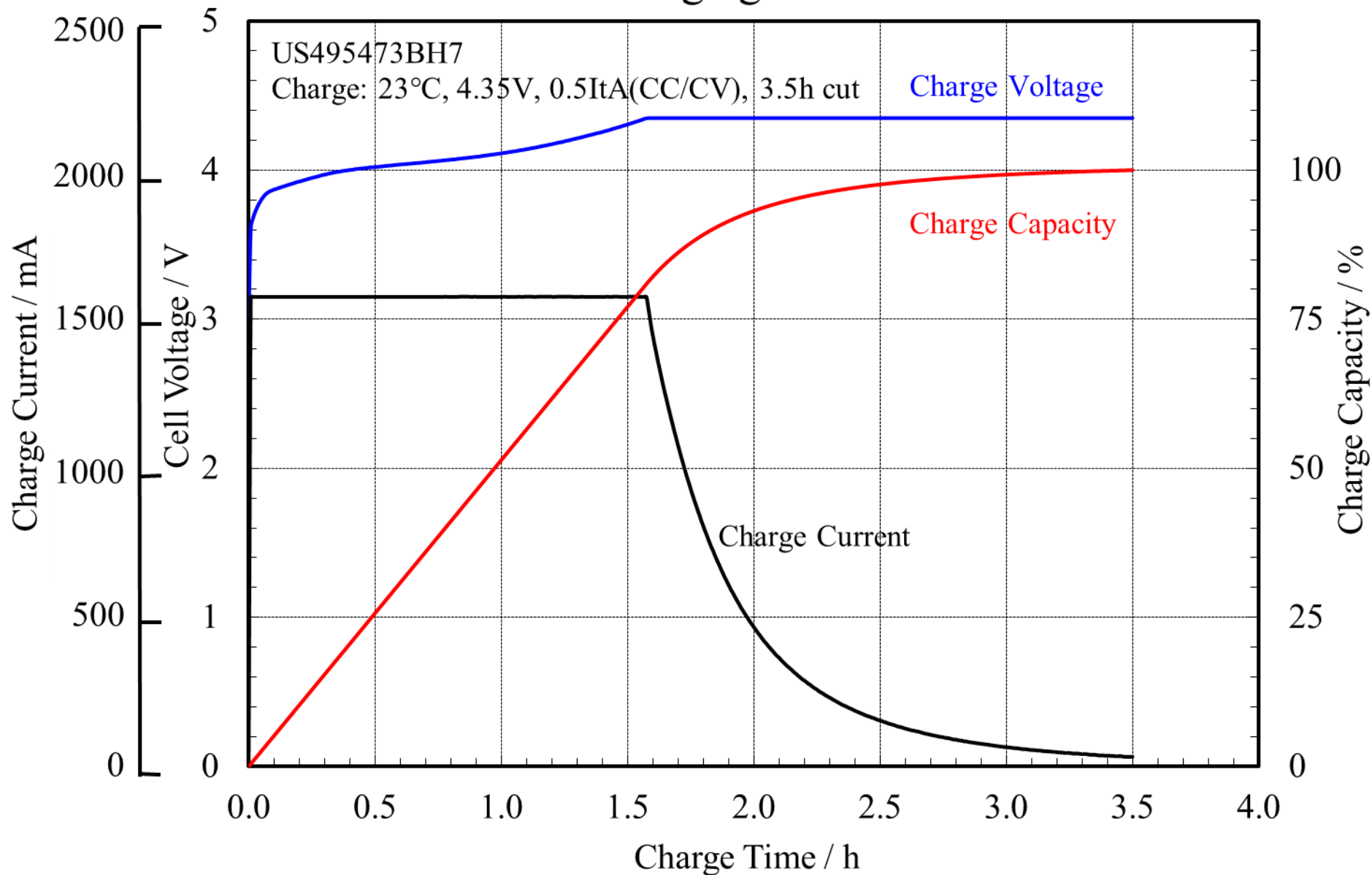
Charge Up Voltage : 4.35 ± 0.05 V

Charge Current : 1.575 A

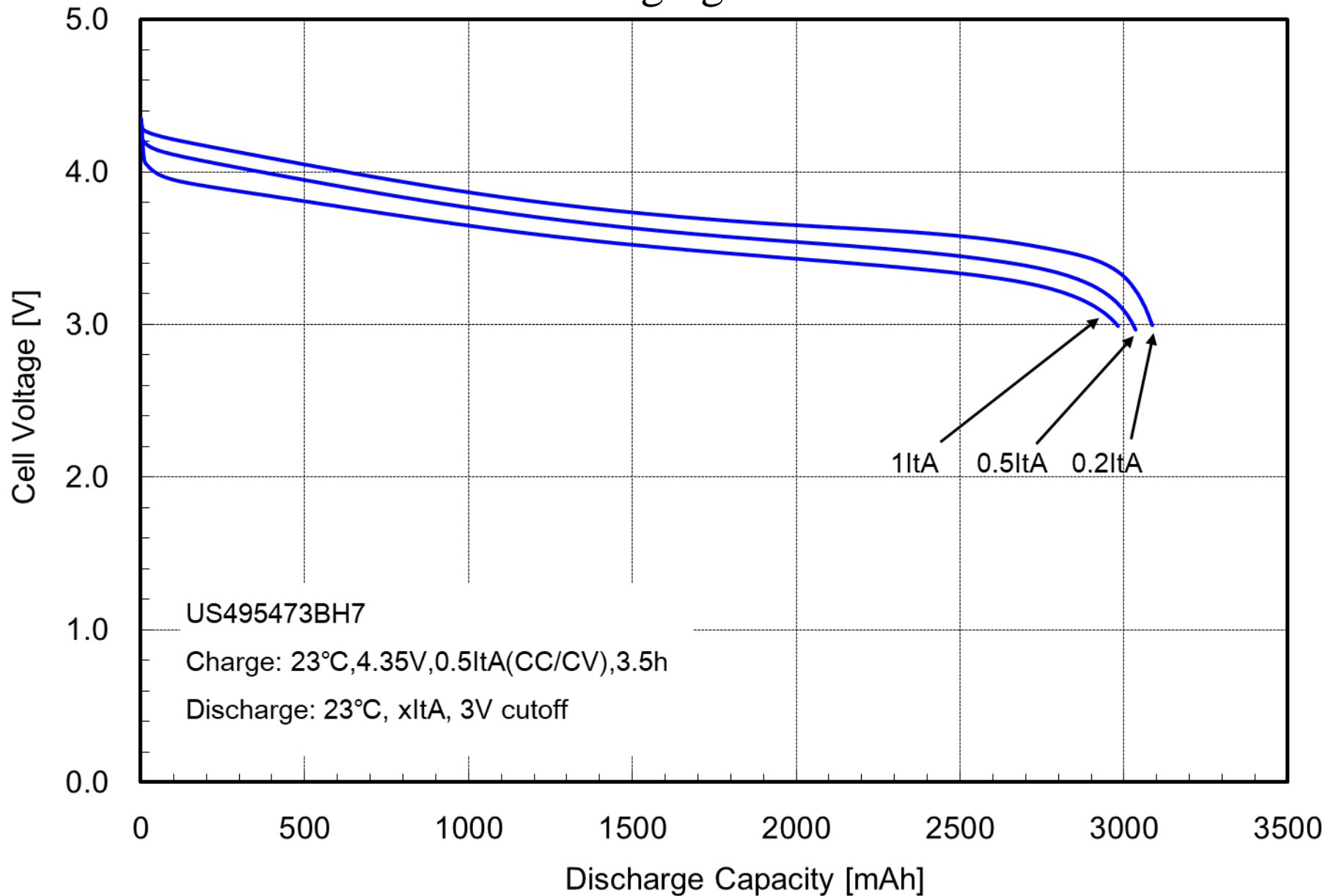
Charge Time : 3.5 h

Ambiance Temperature : 23 °C

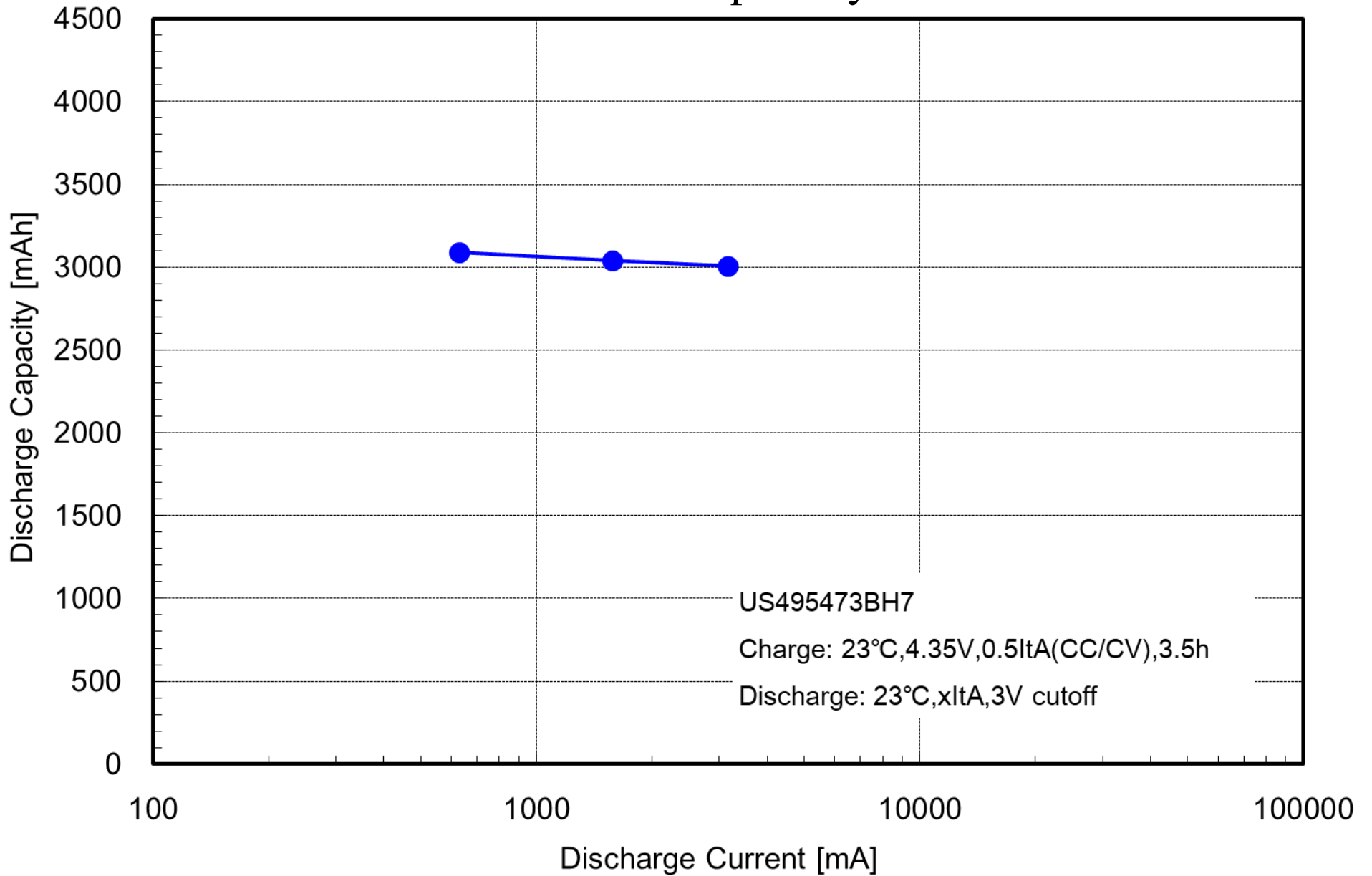
Charging Profile



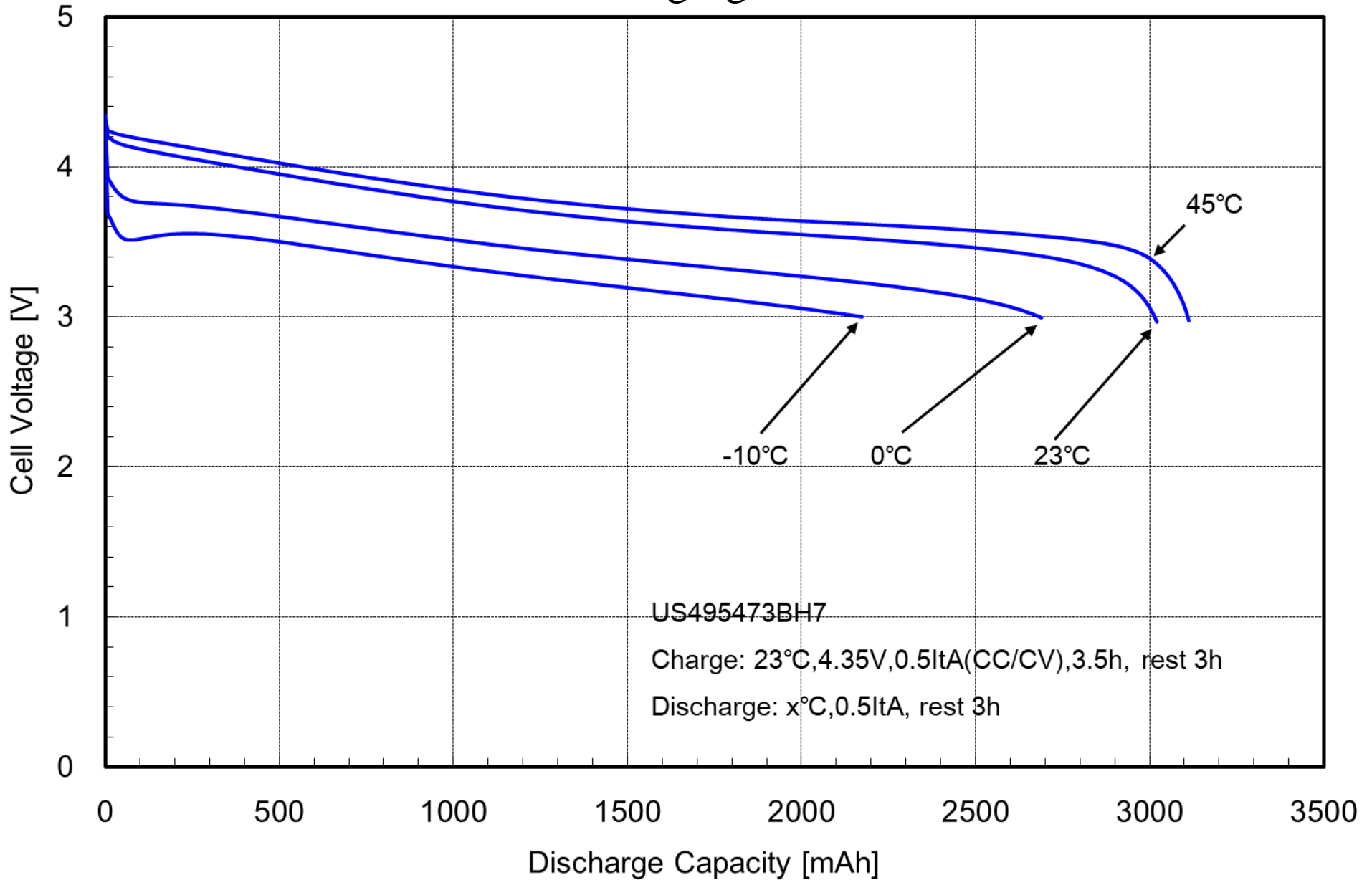
Discharging Profile



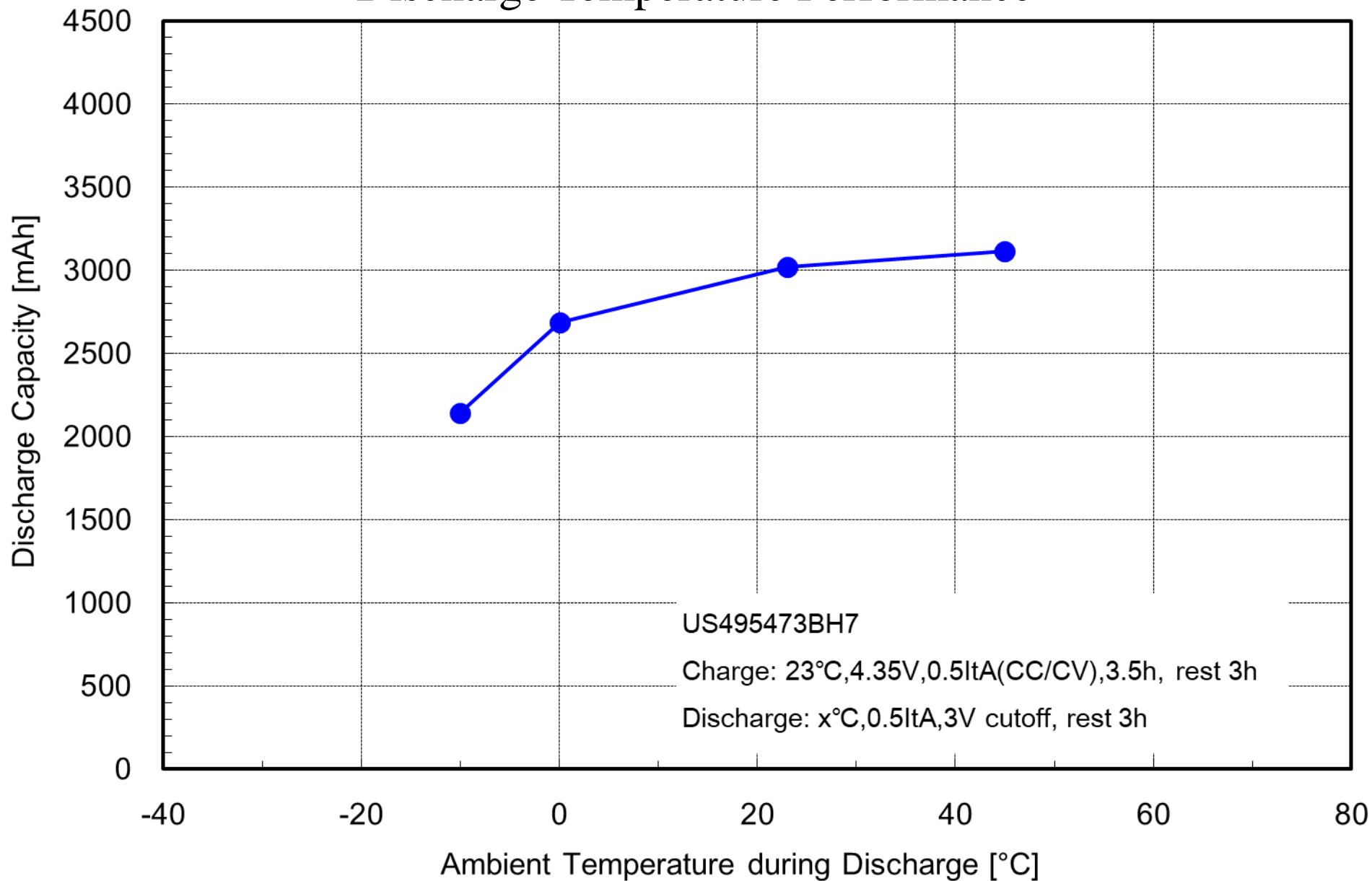
Drain Capability



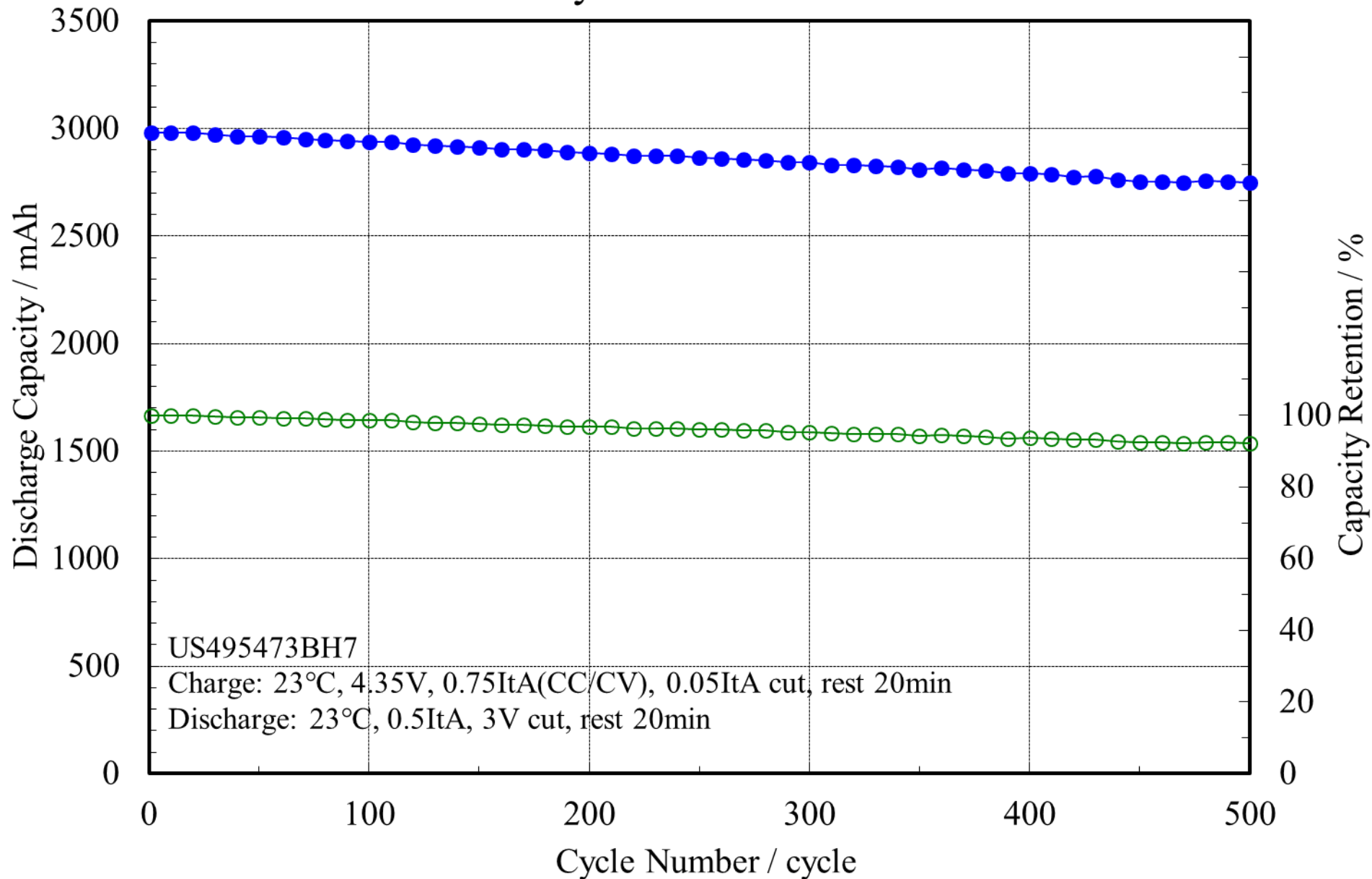
Discharging Profile



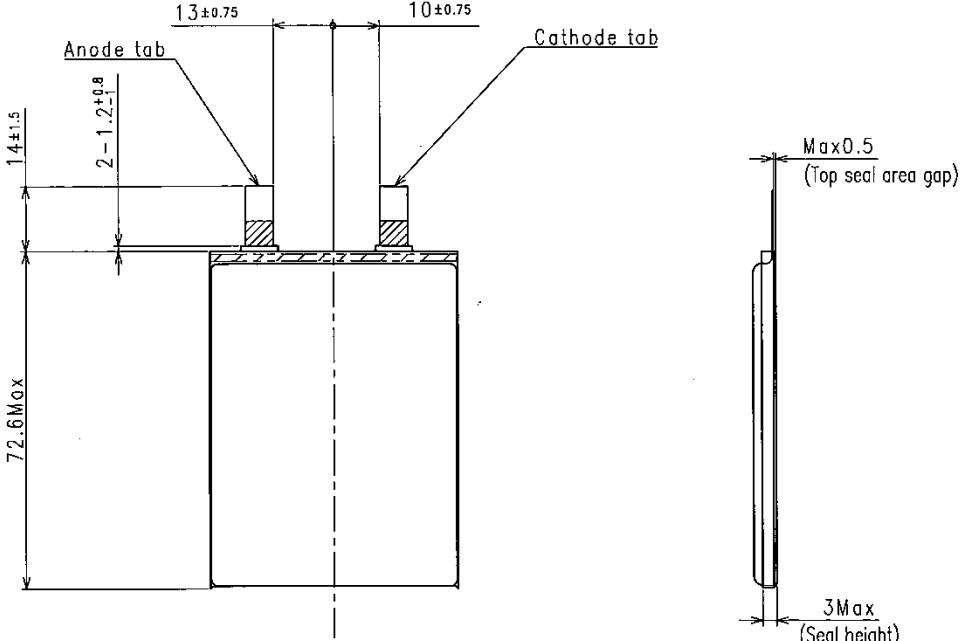
Discharge Temperature Performance



Cycle Performance



Cell Size (US495473BH7)



Same opposite face

