

## 1. General

### *1.1 Scope*

This specification applies to type

: US325991H5 Lithium Ion Polymer Rechargeable Battery

### *1.2 Name and Code*

**1.2.1 Cell Name** : US325991H5

**1.2.2 Model Number** : US325991H5

**1.2.3 Code** : 49942906

### *1.3 Cell Shape and Weight*

**1.3.1 Cell Shape** : Polymer

**1.3.2 Size** : Thickness 3.18 mm max

Width 58.7 mm max

Length(without Tab) 90.5 mm max

**1.3.3 Weight** : 40.4 g (typical)

### *1.4 Reference test current*

1.0 ItA: 2410 mA

### *1.5 Safety Regulation*

Murata acquired UL1642

## 2. Performance

at room temperature, 3.0V cut off

|  |   |  |
|--|---|--|
| Nominal Capacity<br>(0.2ItA discharge) | 2480mAh                                     | average capacity<br>3.8 V (average<br>discharge voltage) |
|  | 9.42 Wh                                     |  |
| Rated Capacity<br>(0.2ItA discharge)   | 2410mAh                                     | minimum capacity   |
|  | 9.25Wh                                      |  |
| Capacity at 0.5ItA                     | 2361mAh                                     | average capacity   |
|  | 8.92 Wh                                     |  |
| Capacity at 1.0ItA                     | 2268mAh                                     | average capacity   |
|  | 8.38Wh                                      |  |
| Nominal Voltage                        | 3.80V V                                     |  |
| Internal Impedance                     | 30 mΩ                                       | measured by AC1 kHz                                      |
| Cycle Performance                      | 80% of Initial<br>capacity at 500<br>cycles | 0.5 ItA discharge rate                                   |

\*Standard Charge Condition

Charge Method : constant current / constant voltage

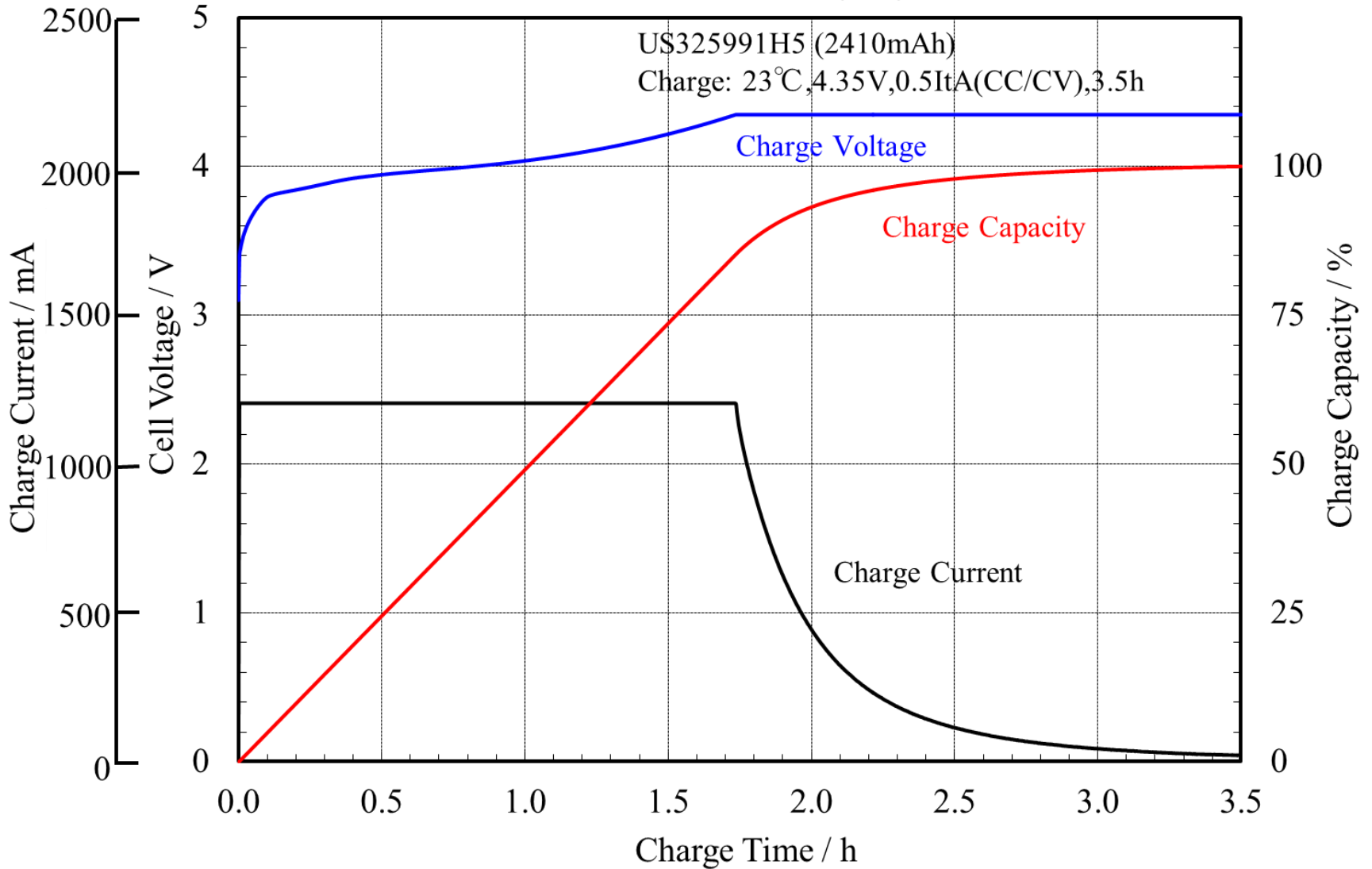
Charge Up Voltage : 4.35 ± 0.05 V

Charge Current : 1.205 A

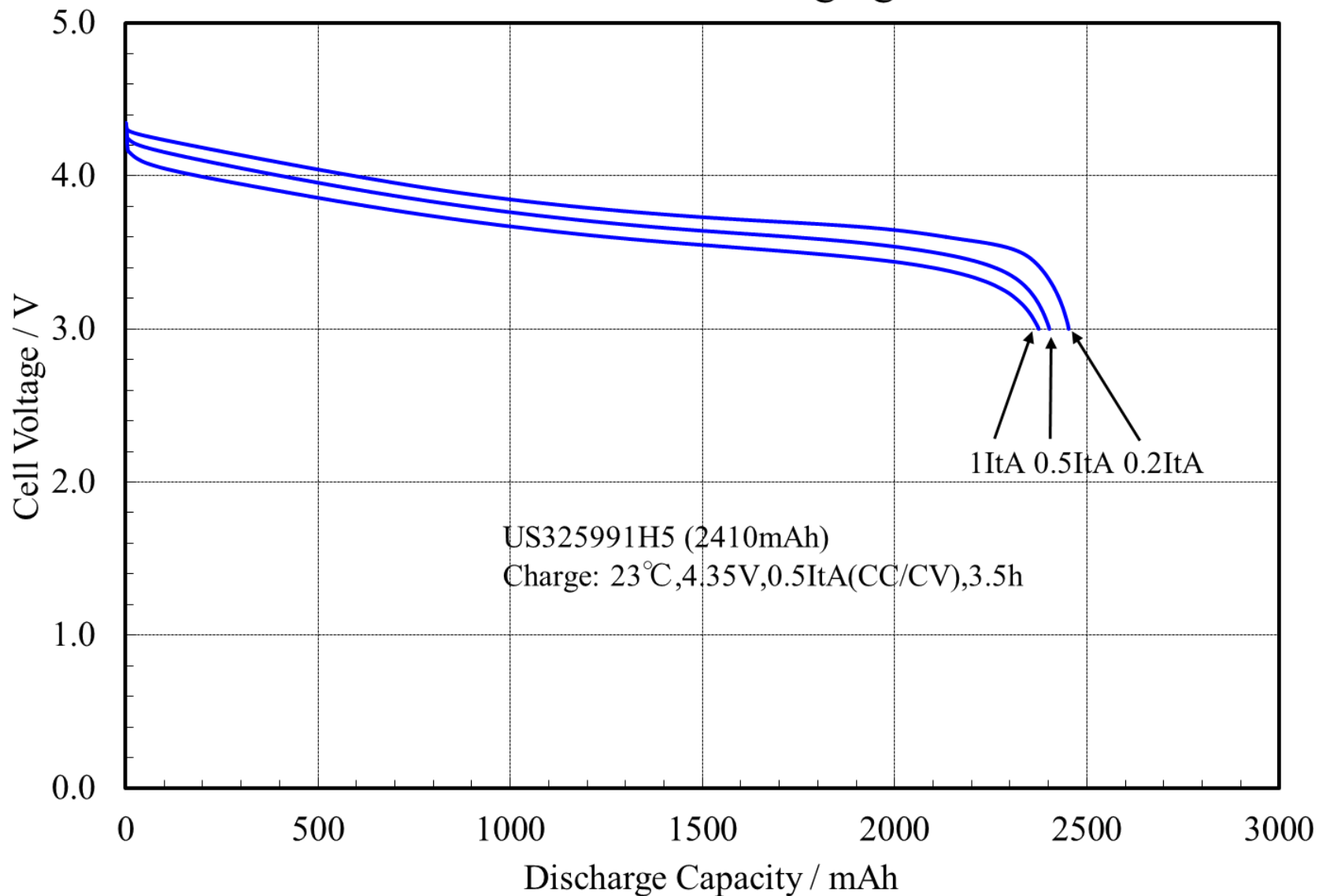
Charge Time : 3.5h

Ambiance Temperature: 23 °C

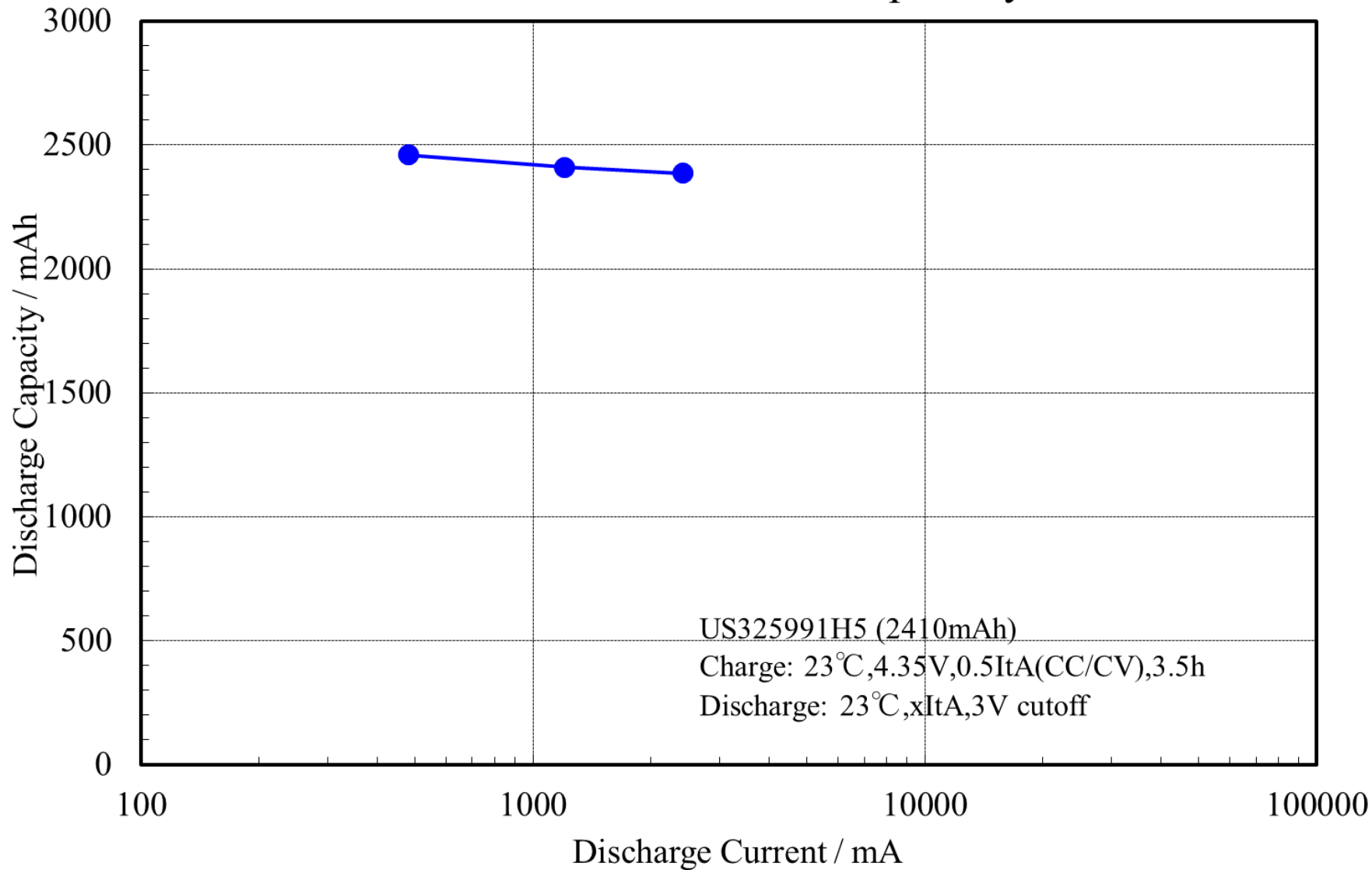
# Charging Profile



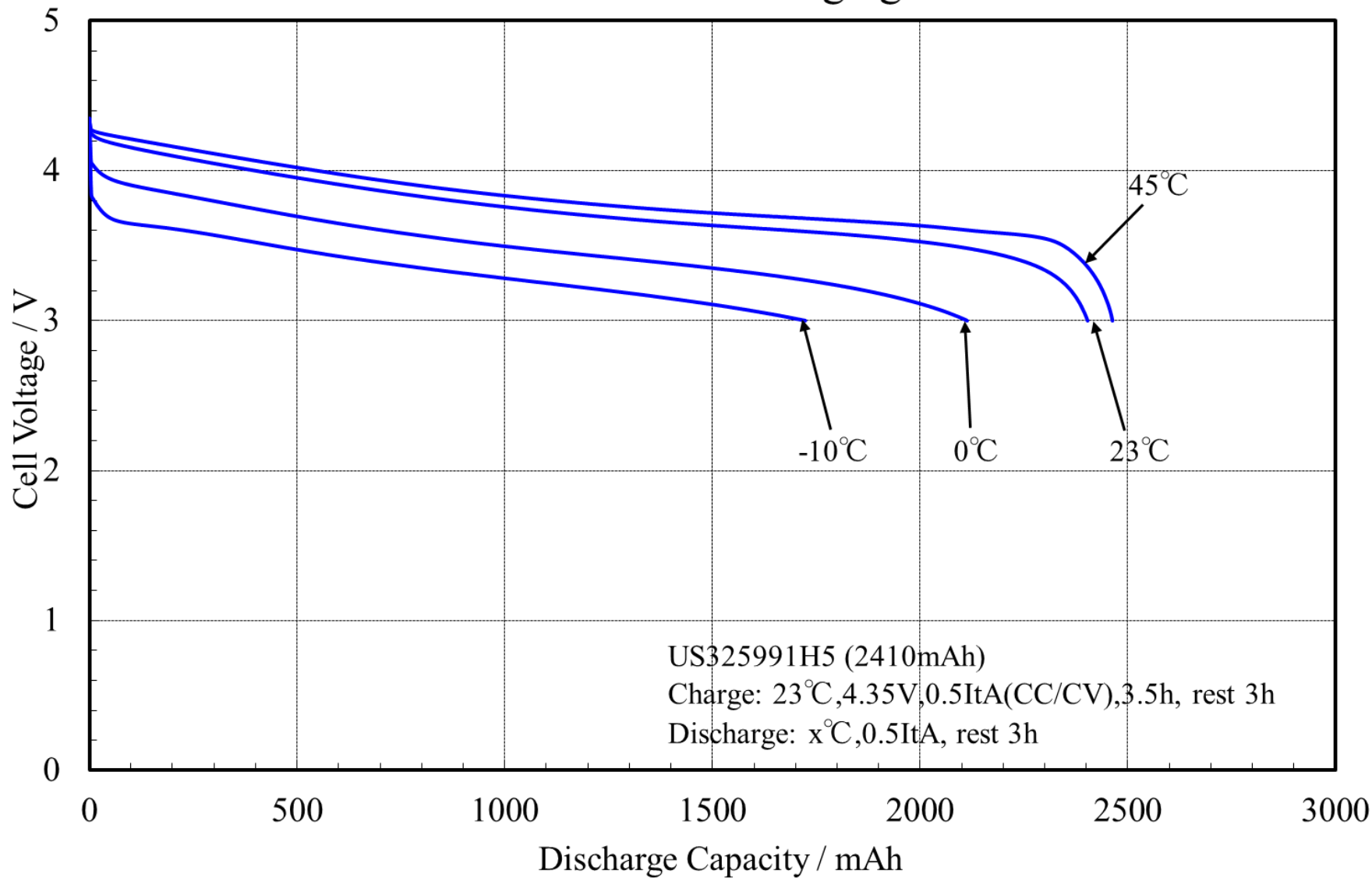
# Discharging Profile



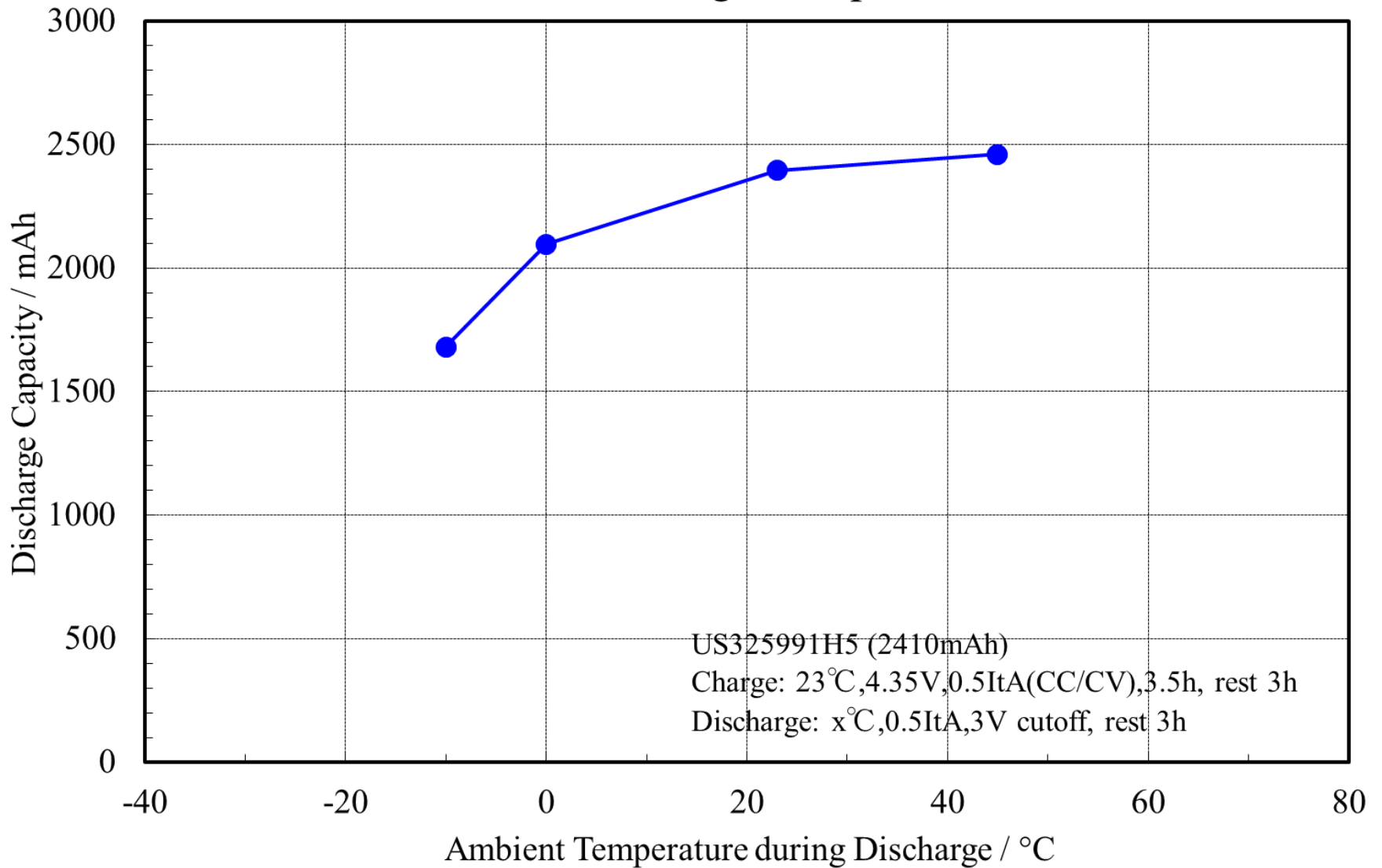
# Drain Capability



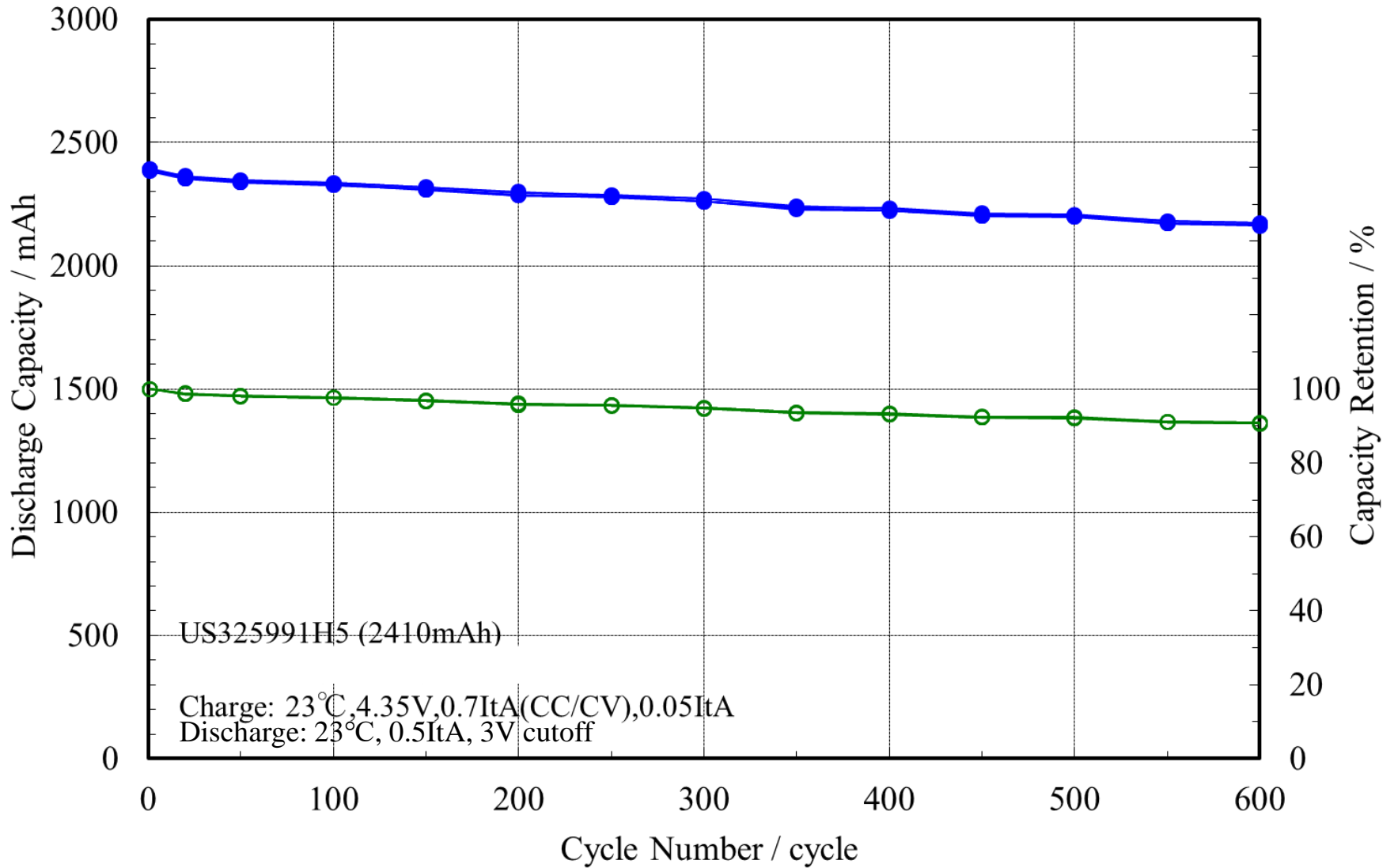
# Discharging Profile



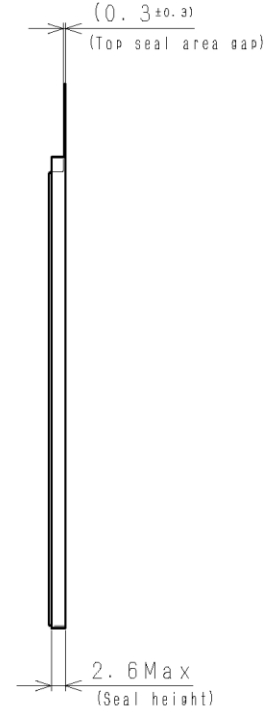
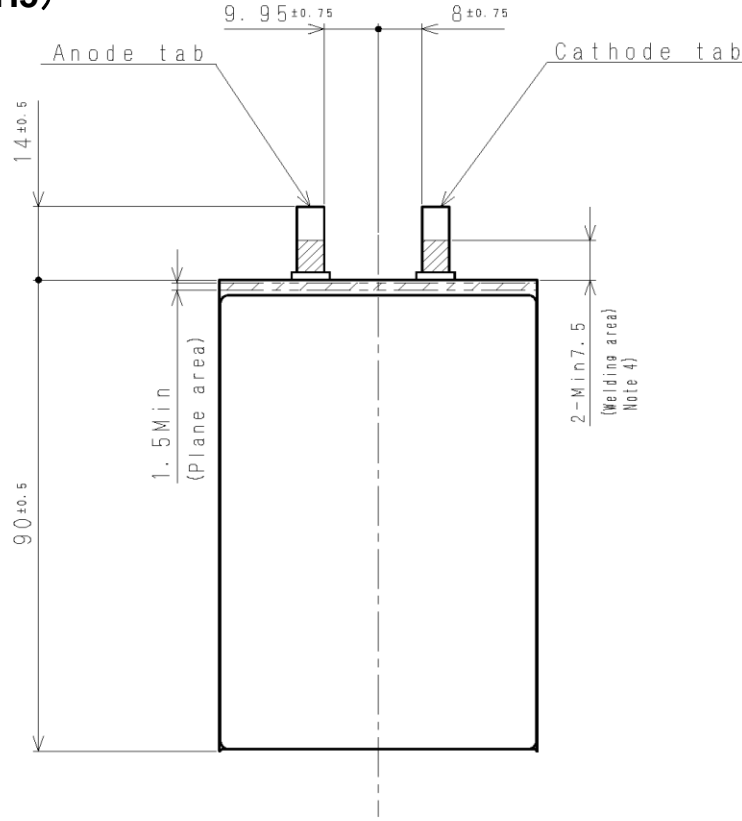
# Discharge Temperature Performance



# Cycle Performance



# Cell Size ( US325991H5)



Same opposite face

