

## 1. General

### **1.1 Scope**

This specification applies to type  
:US374981K6S Lithium Ion Polymer Rechargeable Battery

### **1.2 Name and Code**

**1.2.1 Cell Name** : US374981

**1.2.2 Model Number** : US374981K6S

**1.2.3 Code** : 49929910

### **1.3 Cell Shape and Weight**

**1.3.1 Cell Shape** : Polymer

**1.3.2 Size** : Thickness 3.65mm max  
Width 49.00mm max  
Length(without tab) 81.00mm max

**1.3.3 Weight** : 33.9 g (typical)

### **1.4 Reference test current**

1.0ItA : 1950mA

### **1.5 Safety Regulation**

Acquired UL1642.

## 2. Performance

at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	2000mAh 7.40Wh	average capacity 3.70 V
Rated Capacity (0.2ItA discharge)	1950mAh 7.21Wh	minimum capacity
Capacity at 0.5ItA	1911mAh 7.01Wh	
Capacity at 1.0ItA	1835mAh 6.60Wh	
Nominal Voltage	3.70V	
Internal Impedance	32mΩ	measured by AC1kHz
Cycle Performance	80% of Initial capacity at 500 cycles	0.5ItA discharge rate

### \* Standard Charge Condition

Charge Method : constant current / constant voltage

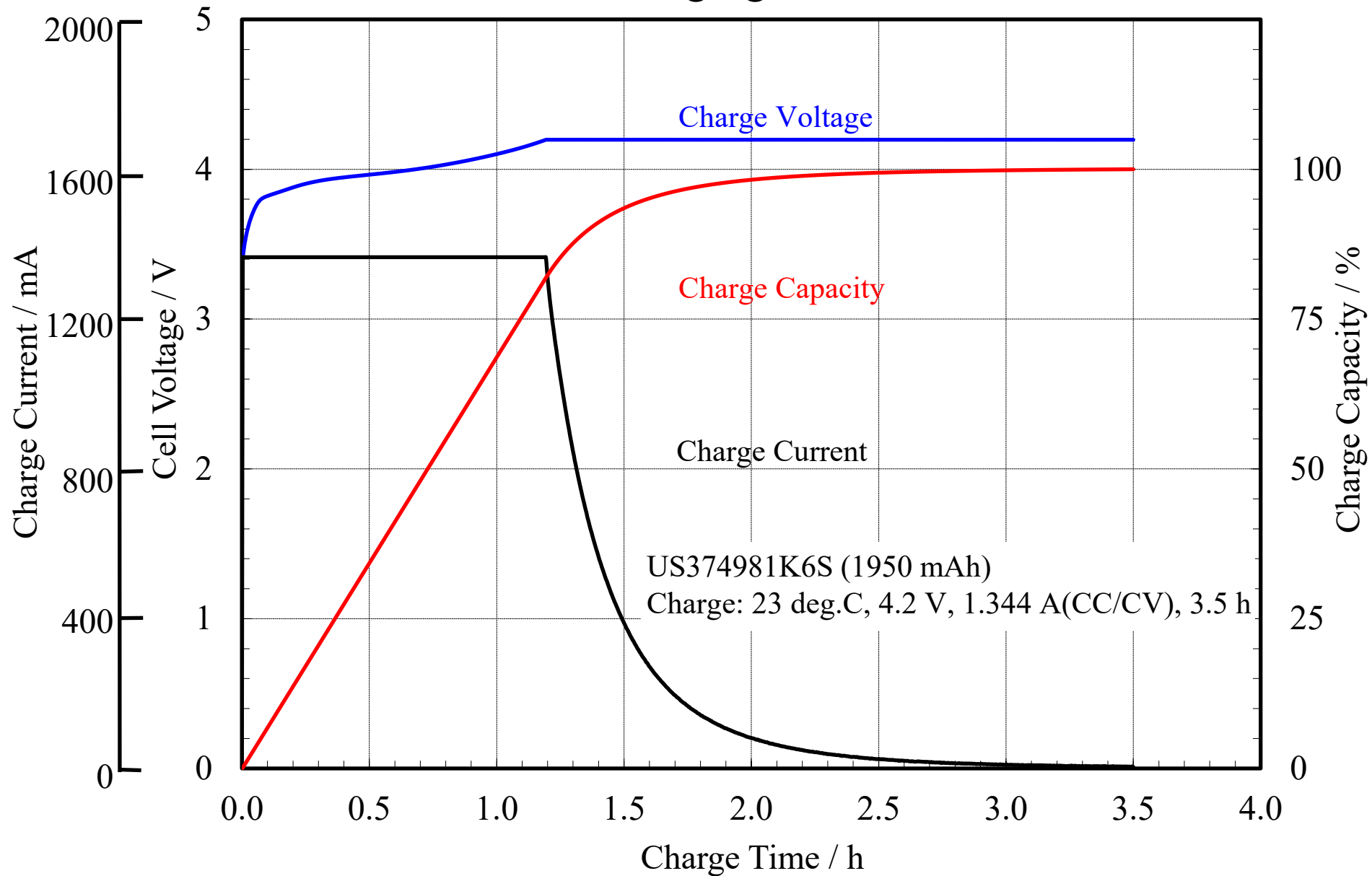
Charge Up Voltage : 4.2 V ± 0.05V

Charge Current : 1.344A

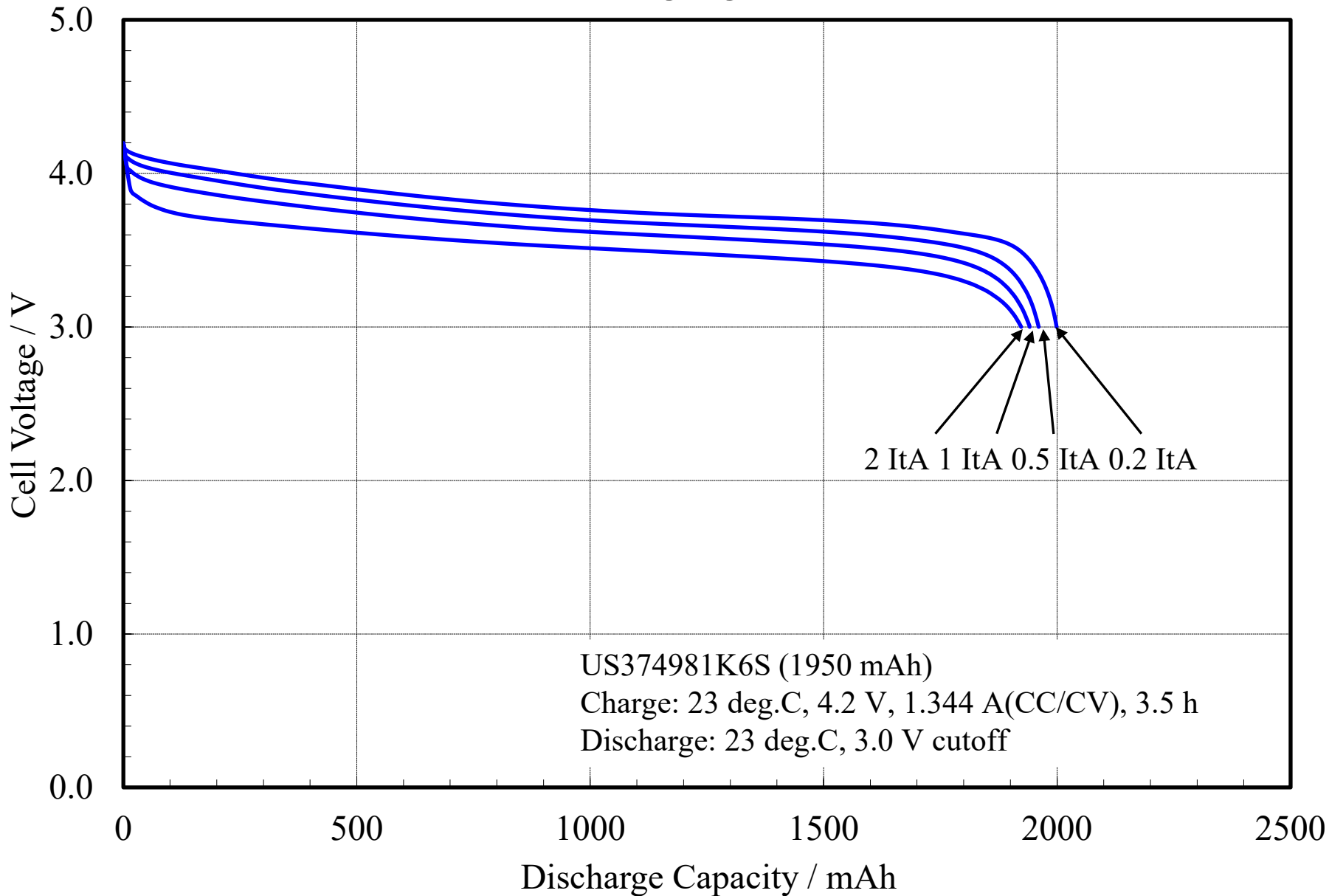
Charge Time : 3.5 hours

Ambiance Temperature : 23°C

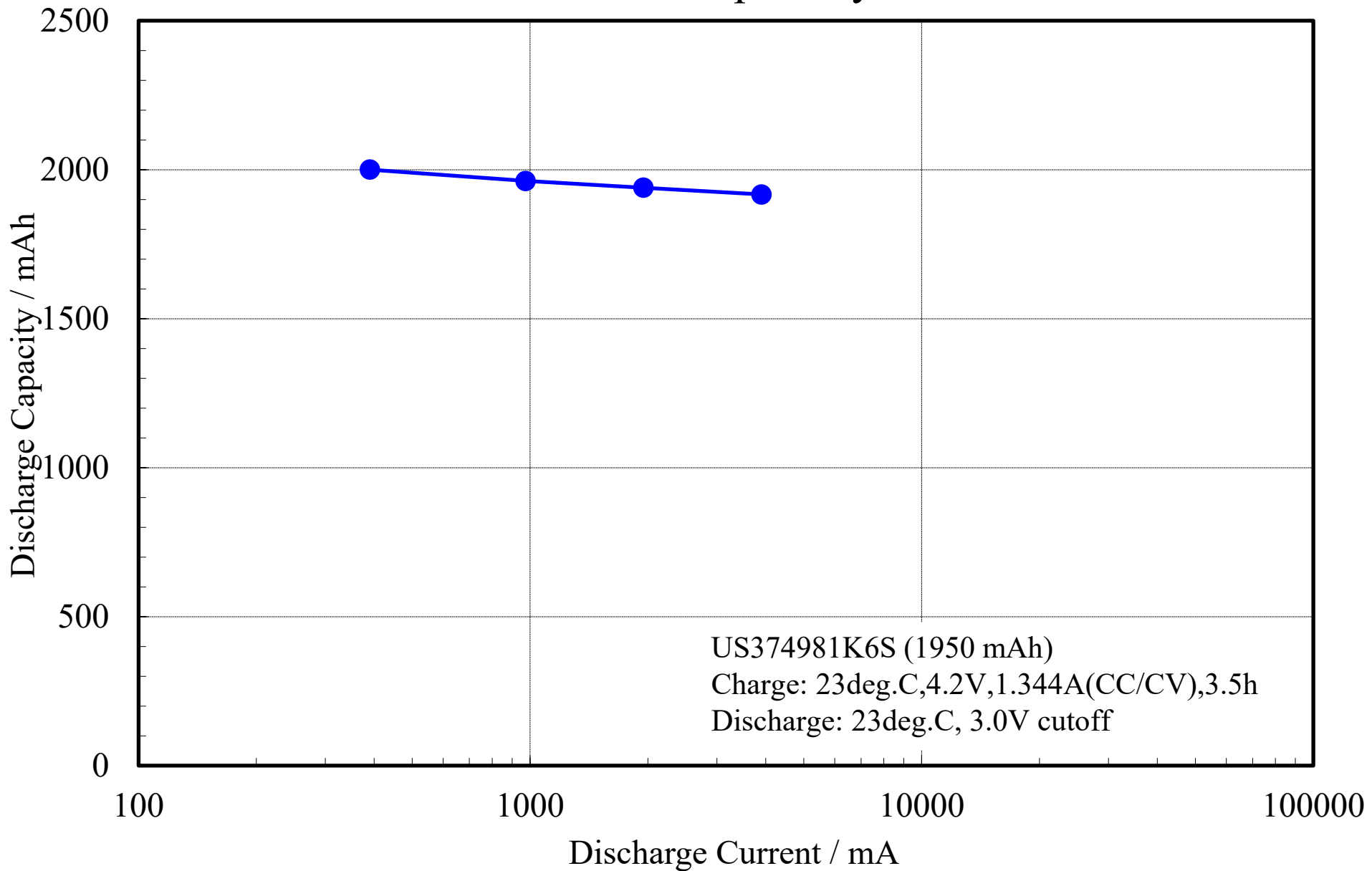
# Charging Profile



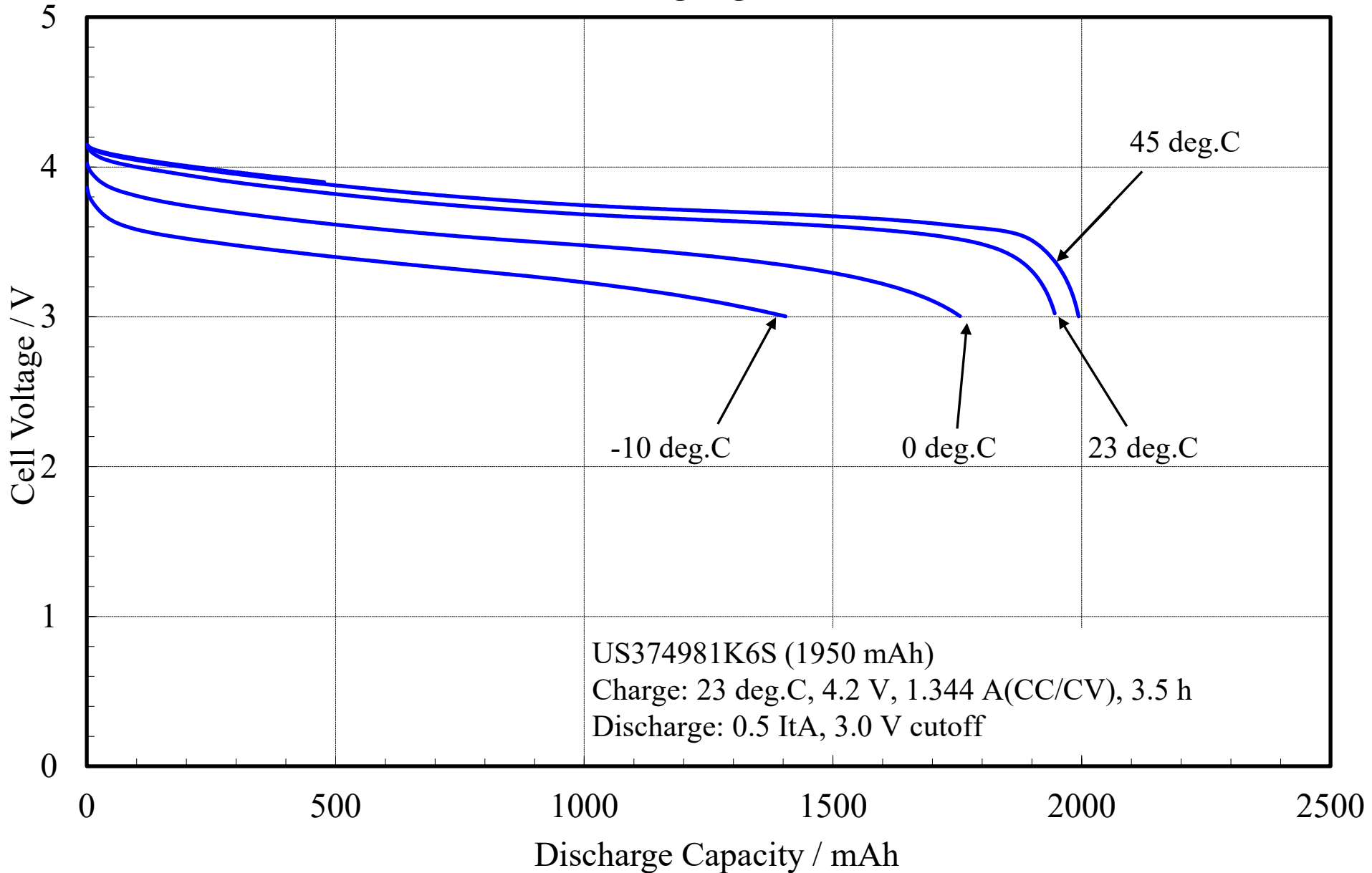
# Discharging Profile



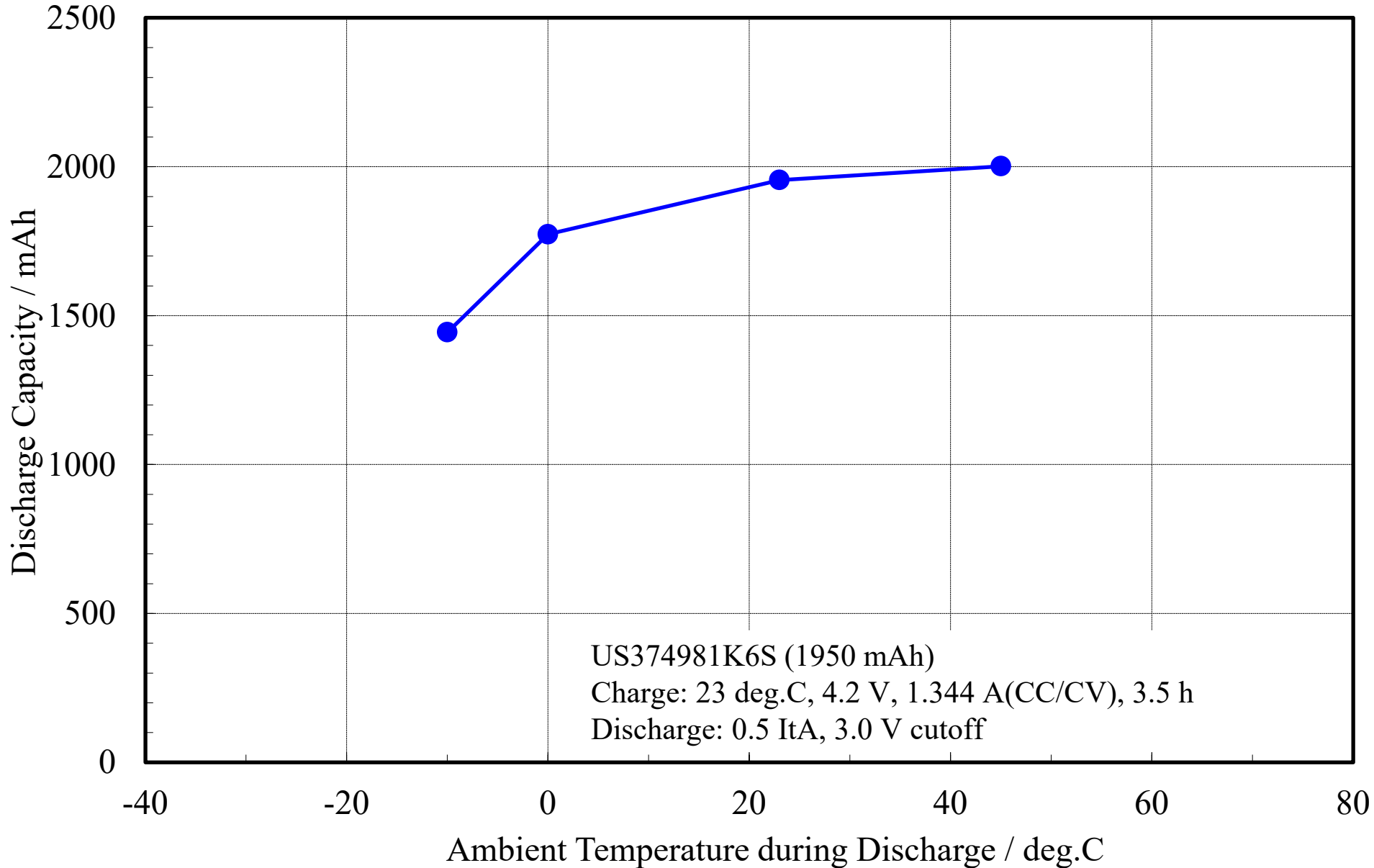
# Drain Capability



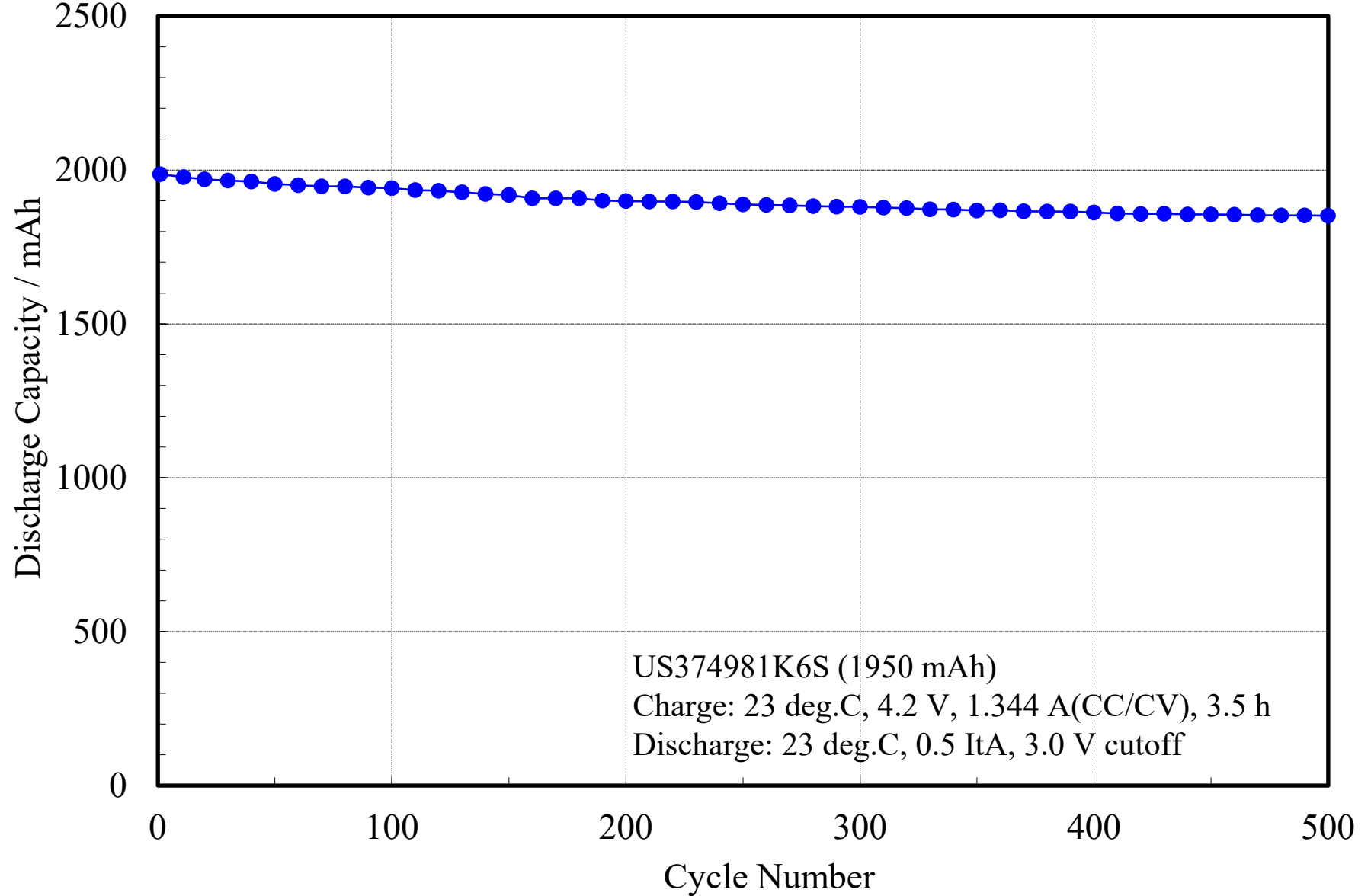
# Discharging Profile



# Discharge Temperature Performance



# Cycle Performance



# Cell Size (US374981K6S)

