

## 1. General

### **1.1 Scope**

This specification applies to type  
: US275361H5 Lithium Ion Polymer Rechargeable Battery

### **1.2 Name and Code**

**1.2.1 Cell Name** : US275361H5  
**1.2.2 Model Number** : US275361H5  
**1.2.3 Code** : 49943312

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

**1.3.1 Cell Shape** : Polymer  
**1.3.2 Size** : Thickness 2.65mm max  
Width 53.00mm max  
Length (without tab) 60.50mm max  
**1.3.3 Weight** : 18.1g (typical)

### **1.4 Reference test current**

1.0ItA : 1040mA

### **1.5 Safety Regulation**

Acquired UL1642.

## 2. Performance

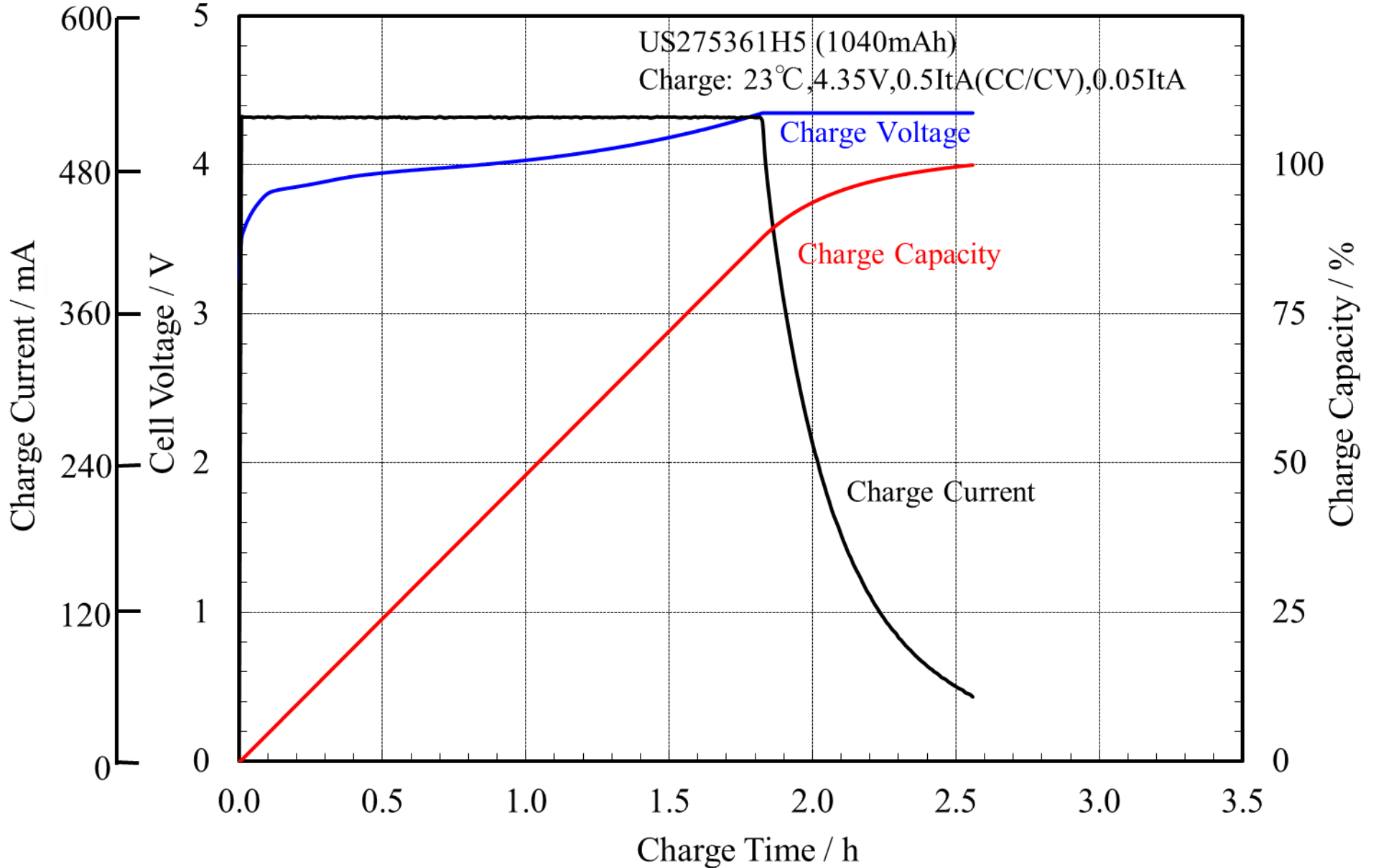
at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	1070mAh 4.10Wh	average capacity 3.80 V (average discharge voltage)
Rated Capacity (0.2ItA discharge)	1040mAh 3.95Wh	minimum capacity
Capacity at 0.5ItA	1070mAh 4.10Wh	average capacity
Capacity at 1.0ItA	1005mAh 3.71Wh	average capacity
Nominal Voltage	3.80V	
Internal Impedance	39mΩ	measured by AC1kHz
Cycle Performance	80% of initial capacity at 500 cycles	0.5ItA discharge rate

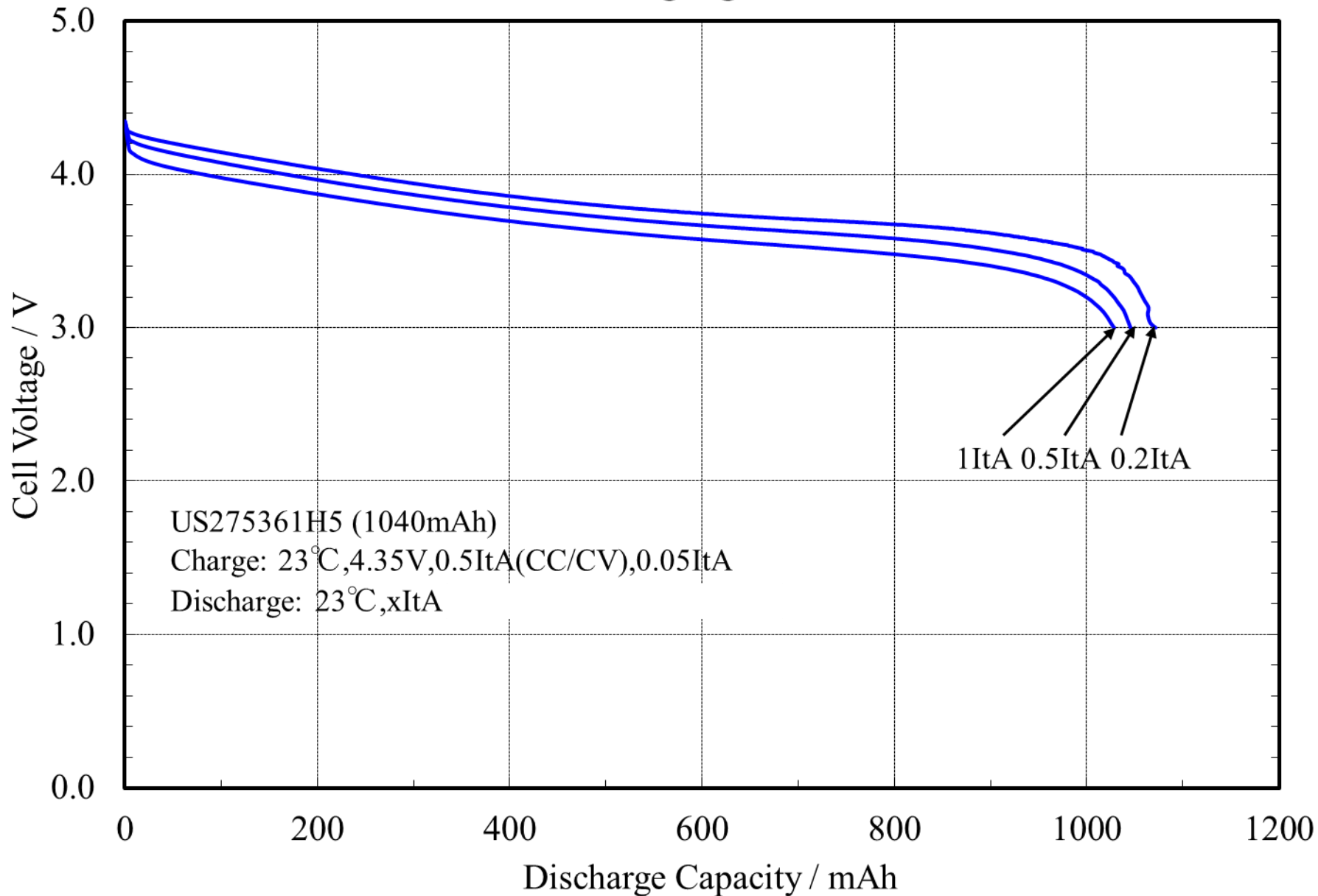
### \* Standard Charge Condition

Charge Method : constant current / constant voltage  
Charge Up Voltage : 4.35 V ± 0.05V  
Charge Current : 0.52 A  
Charge Time : 0.052 A cut  
Ambiance Temperature : 23°C

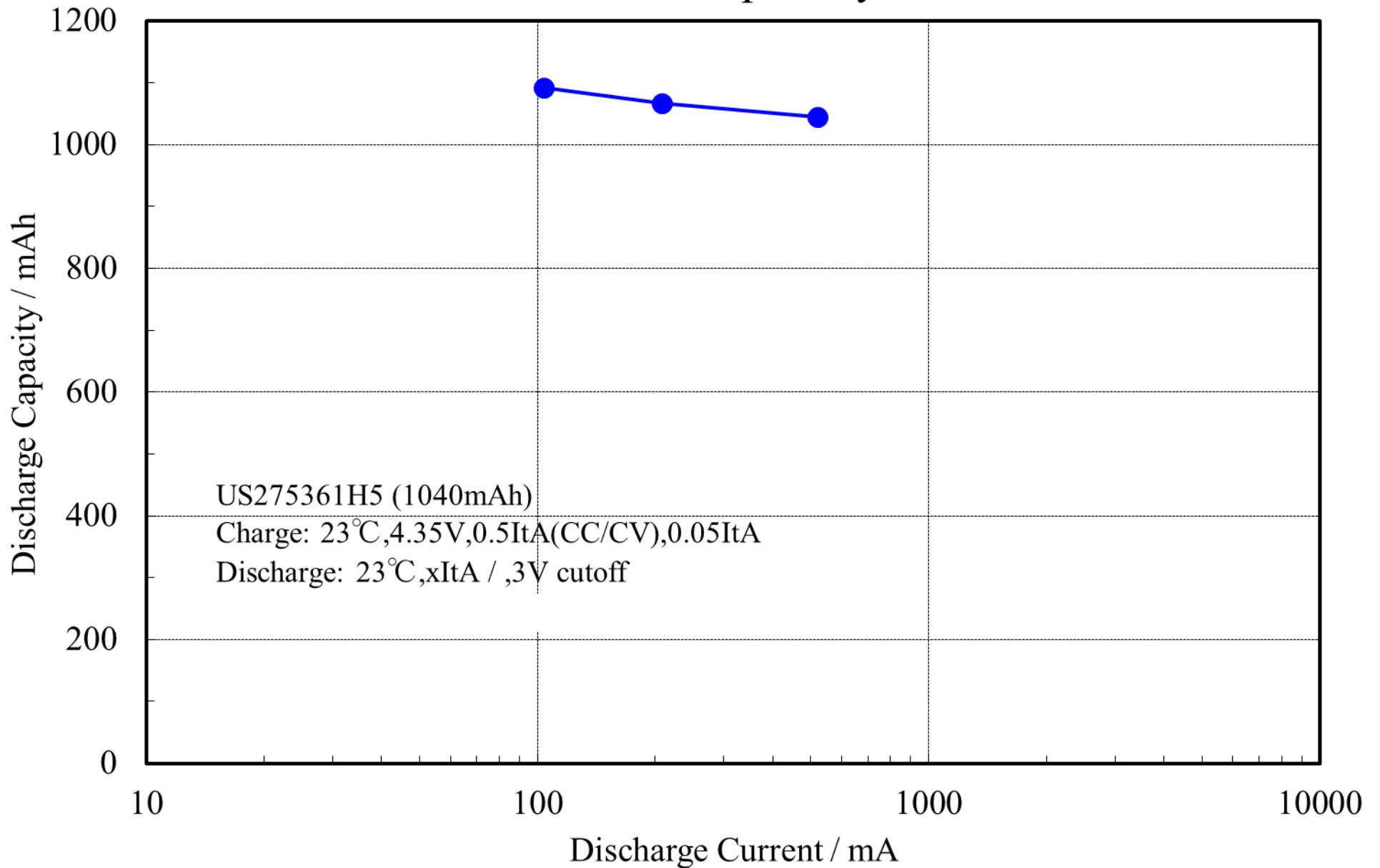
# Charging Profile



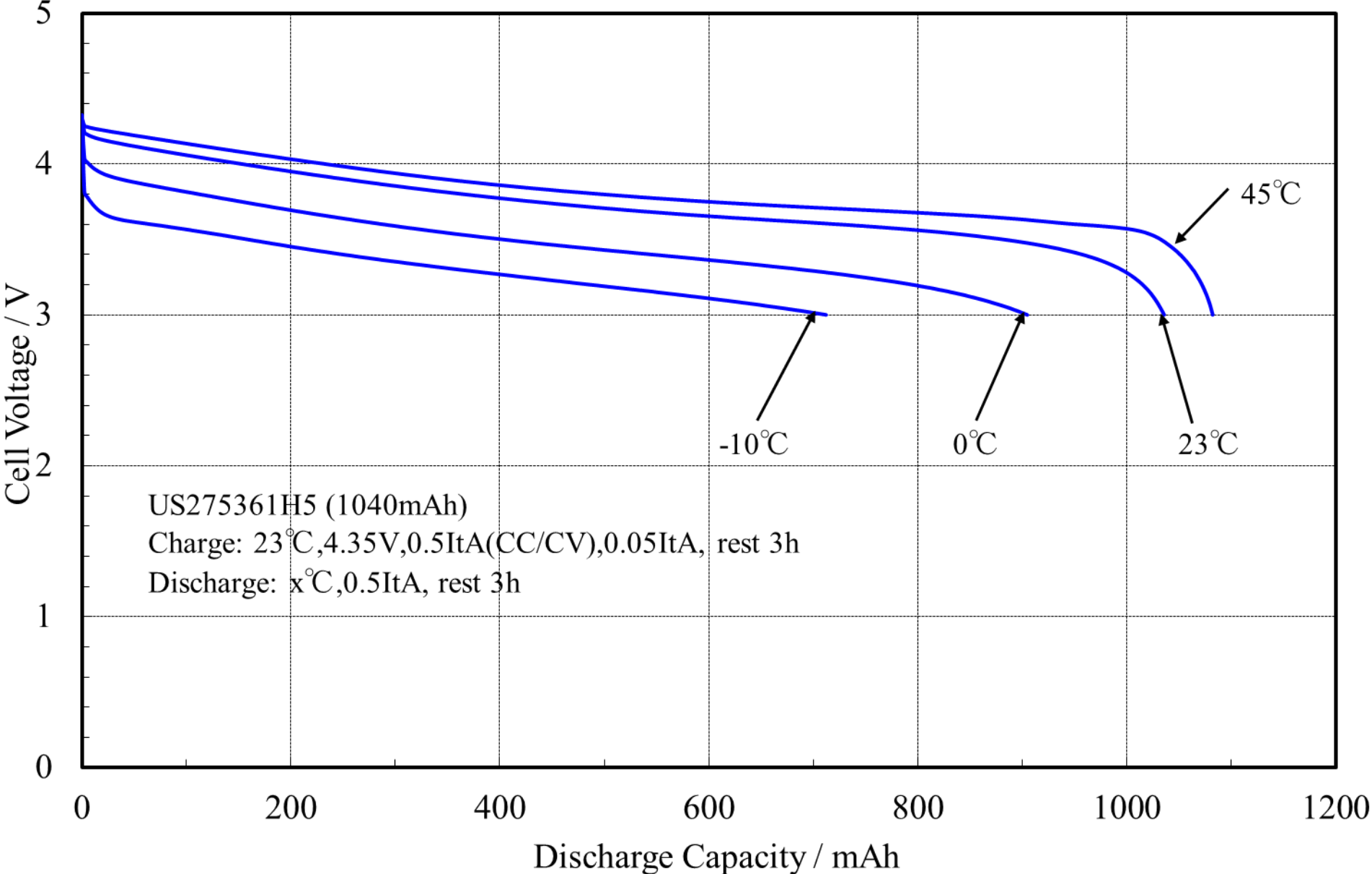
# Discharging Profile



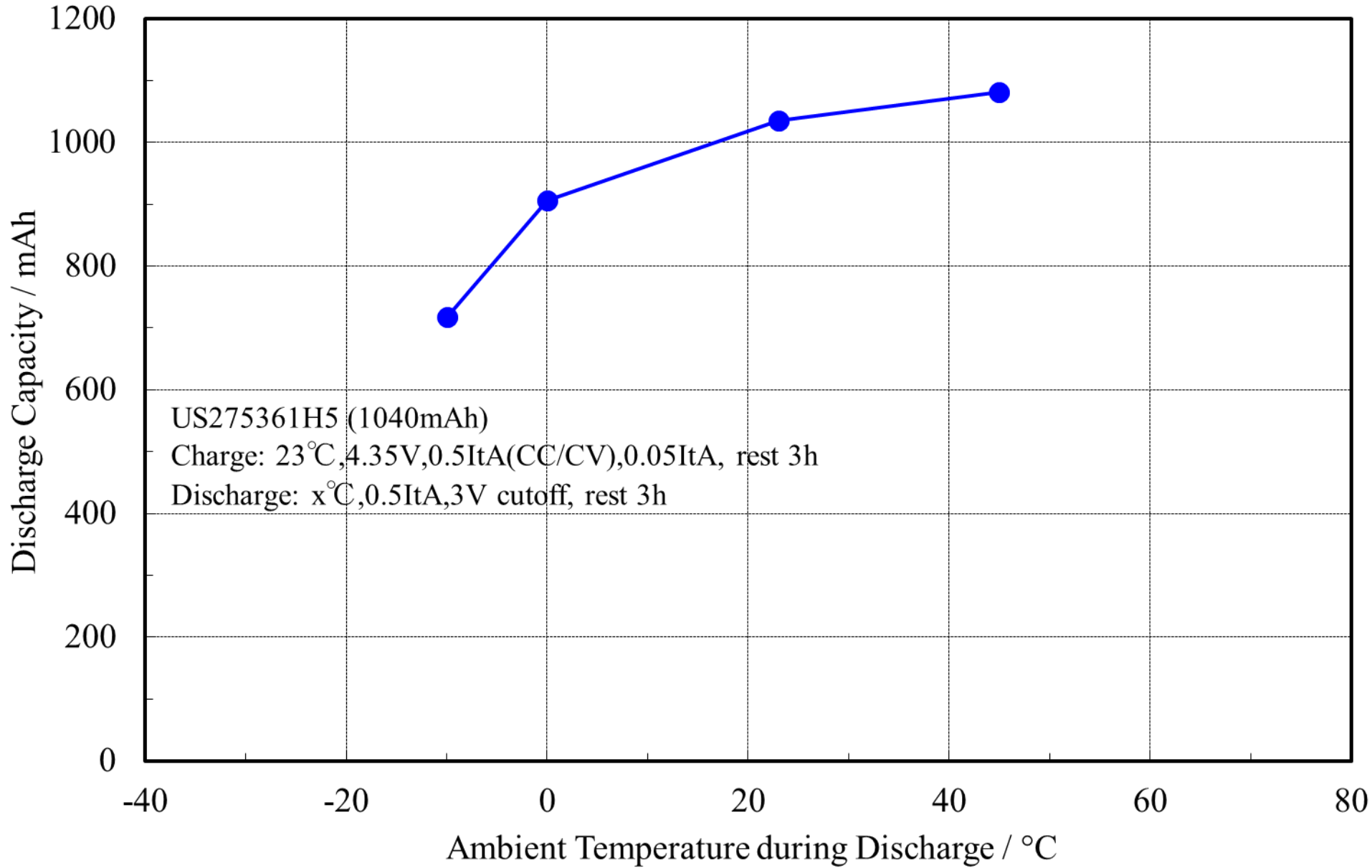
# Drain Capability



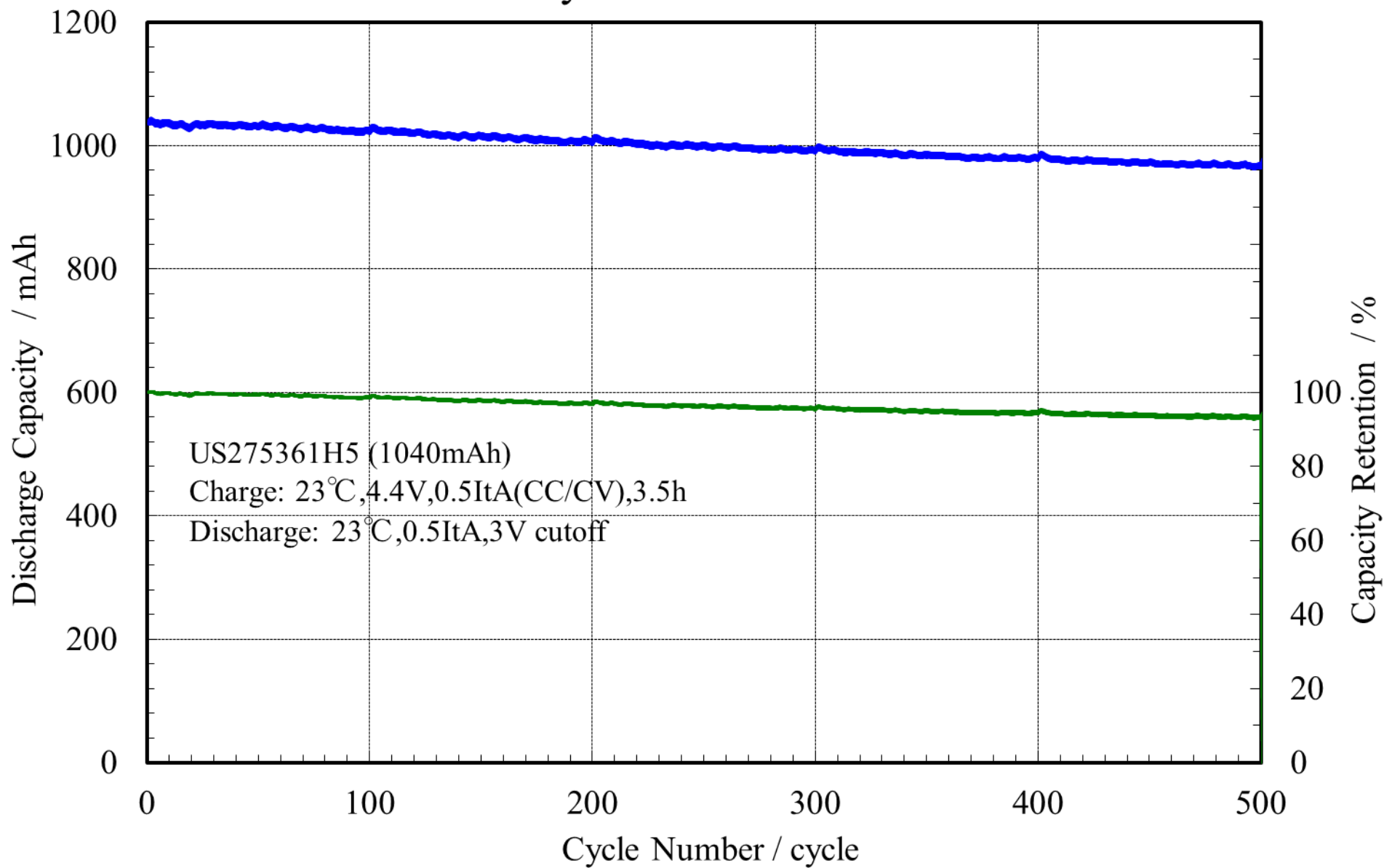
# Discharging Profile



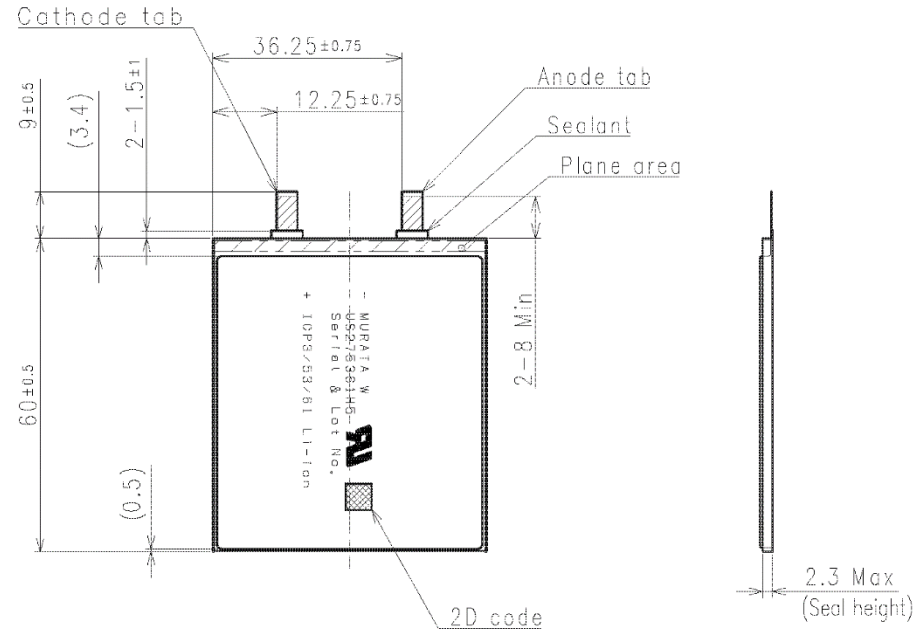
# Discharge Temperature Performance



# Cycle Performance



# Cell Size ( US275361H5)



Same opposite face

