

## 1. General

### **1.1 Scope**

This specification applies to type

: US2980F9H2 Lithium Ion Polymer Rechargeable Battery

### **1.2 Name and Code**

**1.2.1 Cell Name** : US2980F9H

**1.2.2 Model Number** : US2980F9H2

**1.2.3 Code** : 49932330

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

**1.3.1 Cell Shape** : Polymer

**1.3.2 Size** : Thickness 2.81 mm max  
Width 79.8 mm max  
Length(without Tab) 159 mm max

**1.3.3 Weight** : 87 g (typical)

### **1.4 Reference test current**

1.0 ItA: 4670 mA

### **1.5 Safety Regulation**

Murata acquired UL1642

## 2. Performance

at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	4820mAh	average capacity 3.80 V (average discharge voltage)
	18.32 Wh	
Rated Capacity (0.2ItA discharge)	4670mAh	minimum capacity
	17.75 Wh	
Capacity at 0.5ItA	4735mAh	average capacity
	17.64 Wh	
Capacity at 1.0ItA	4675mAh	average capacity
	16.78 Wh	
Nominal Voltage	3.8 V	
Internal Impedance	25 mΩ	measured by AC1 kHz
Cycle Performance	80% of Initial capacity at 400 cycles	0.5 ItA discharge rate

\*Standard Charge Condition

Charge Method : constant current / constant voltage

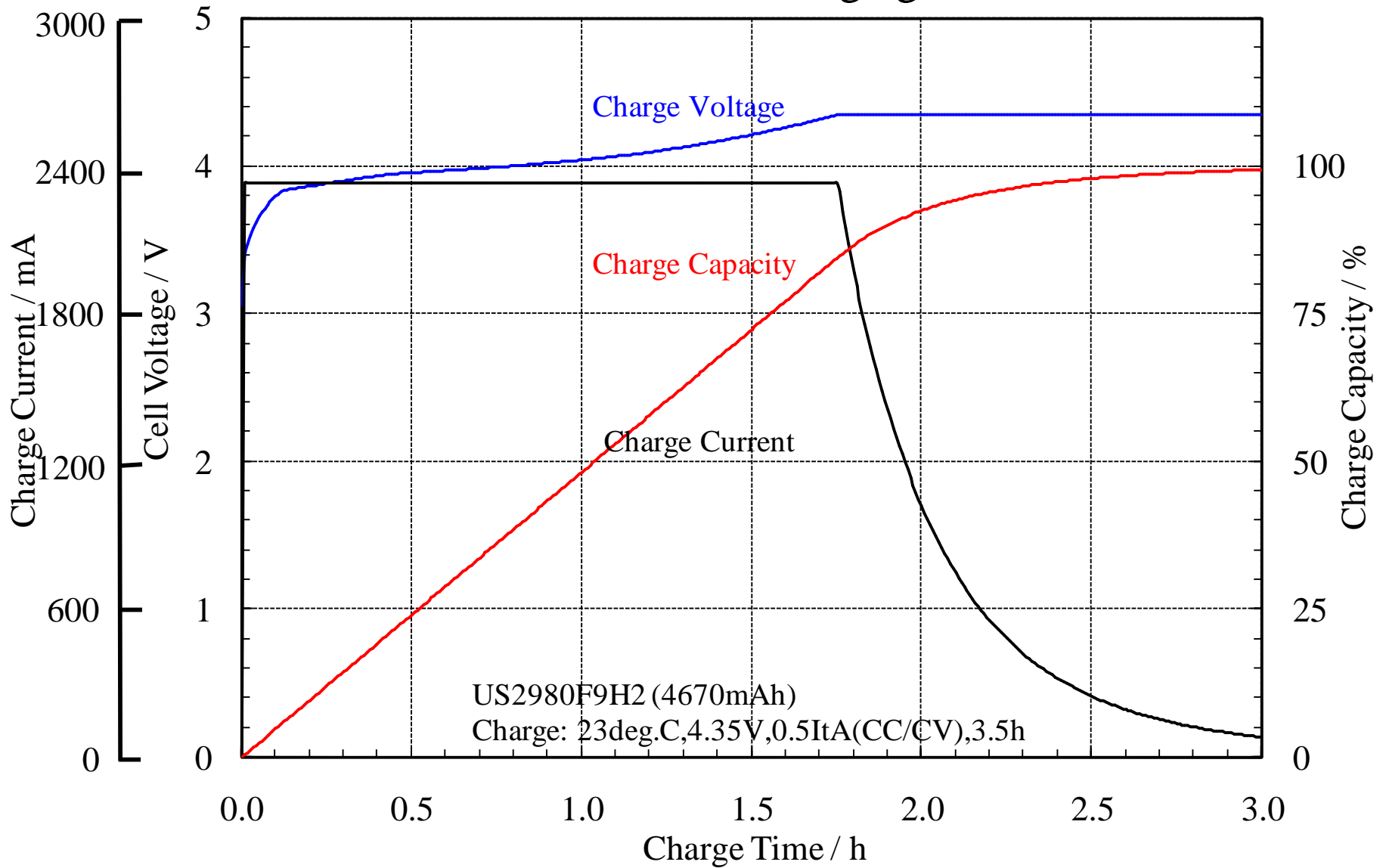
Charge Up Voltage : 4.35 ± 0.05 V

Charge Current : 2.335 A

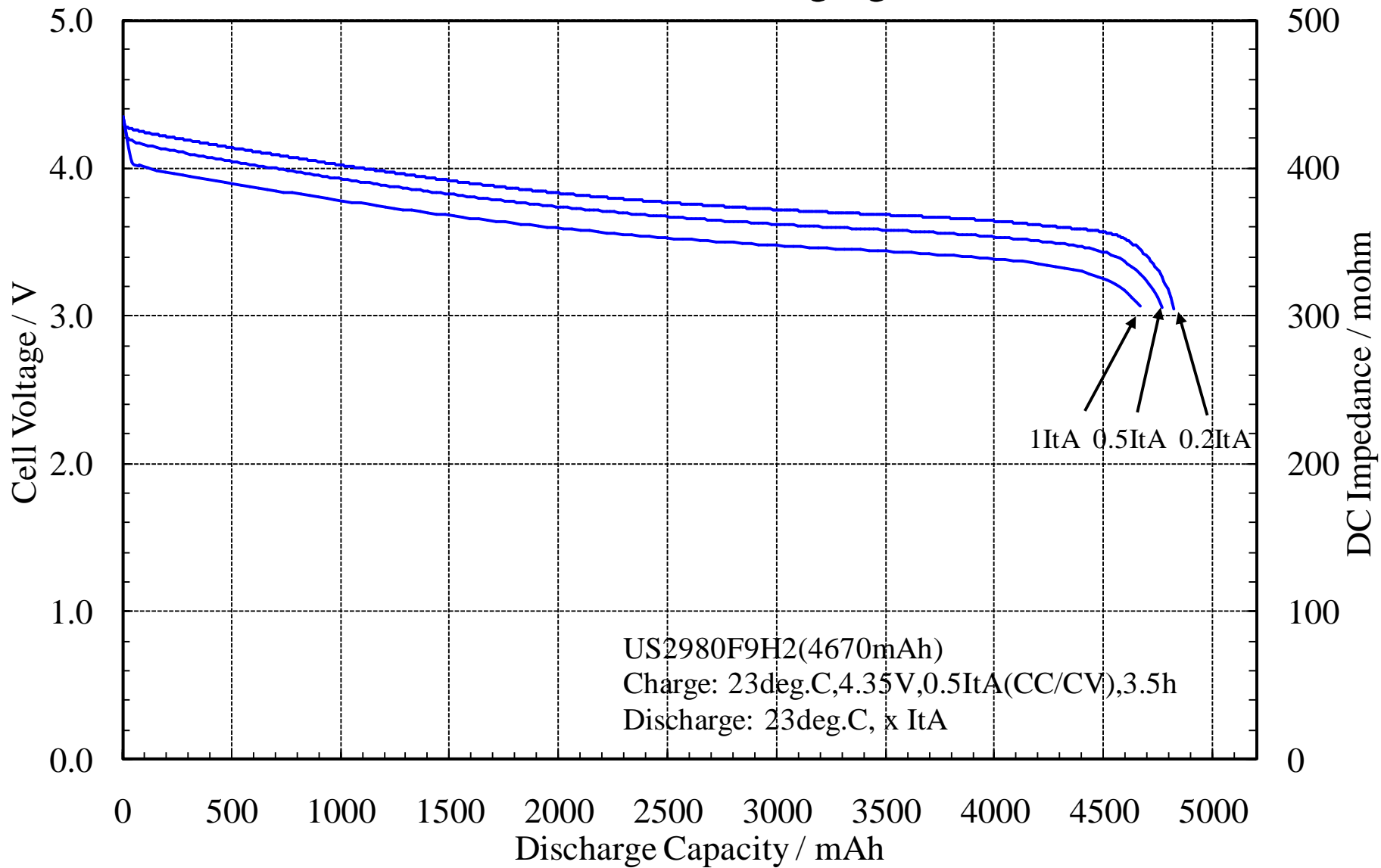
Charge Cut off Current : 3.5 h

Ambiance Temperature : 23 °C

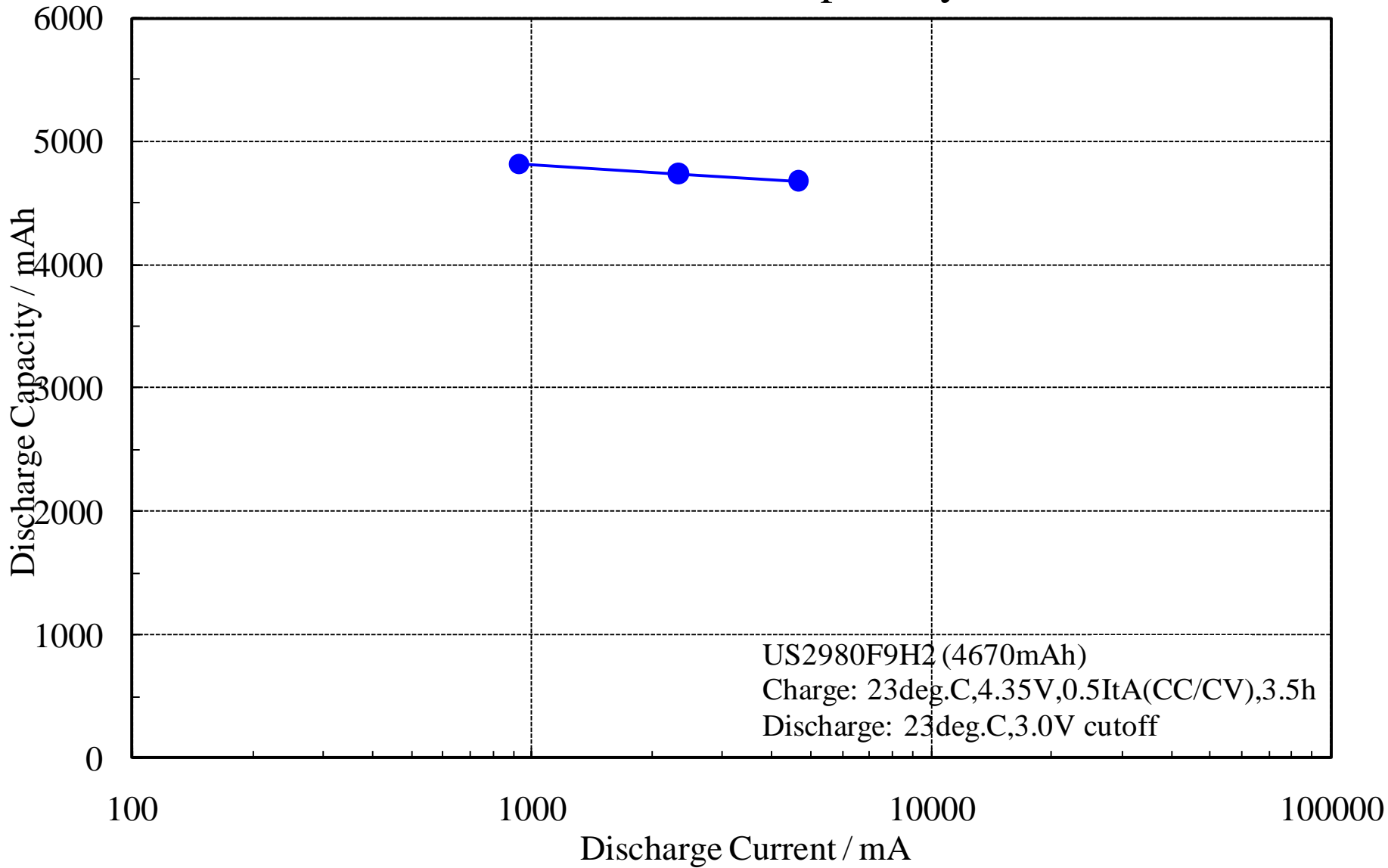
# Charging Profile



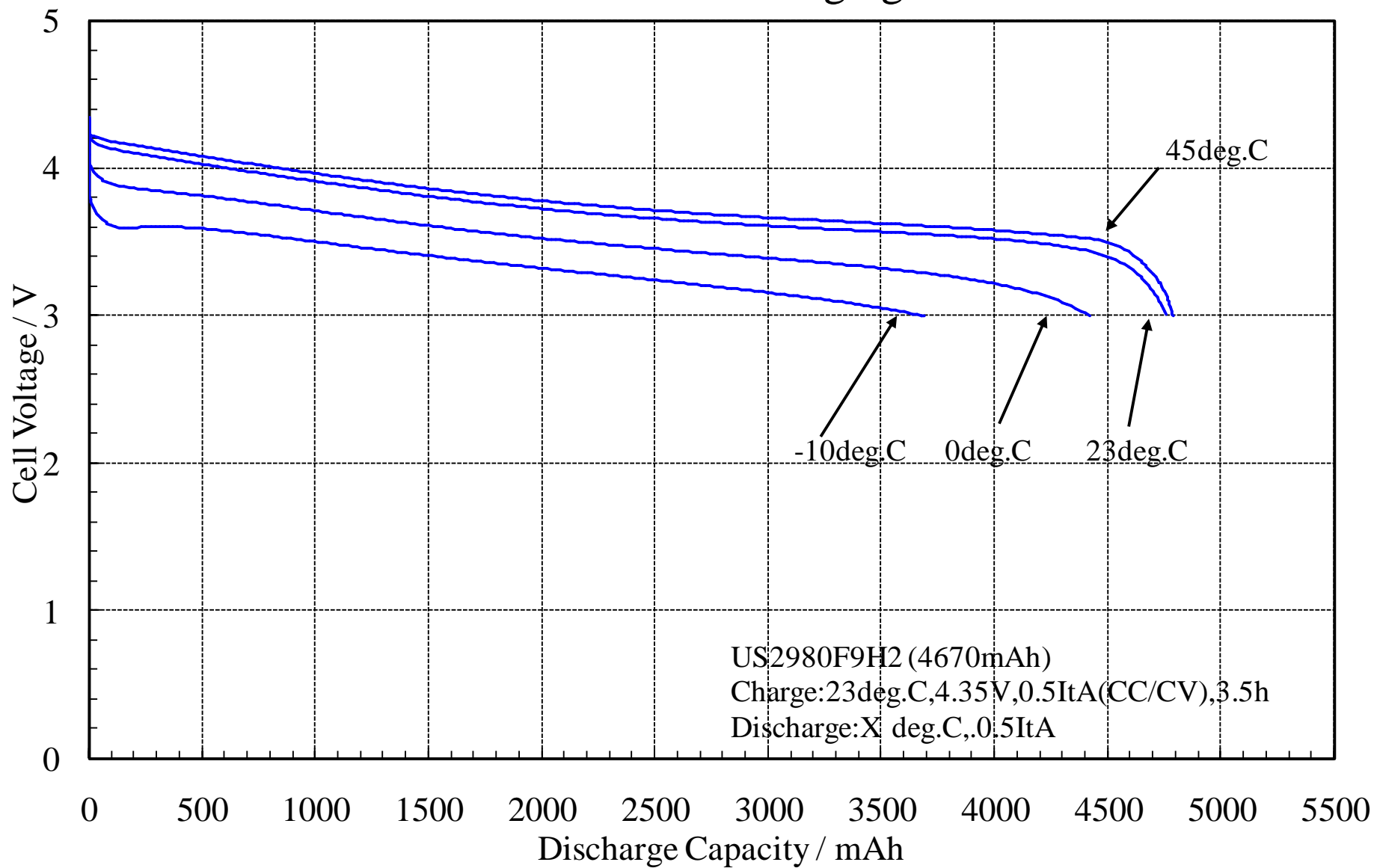
# Discharging Profile



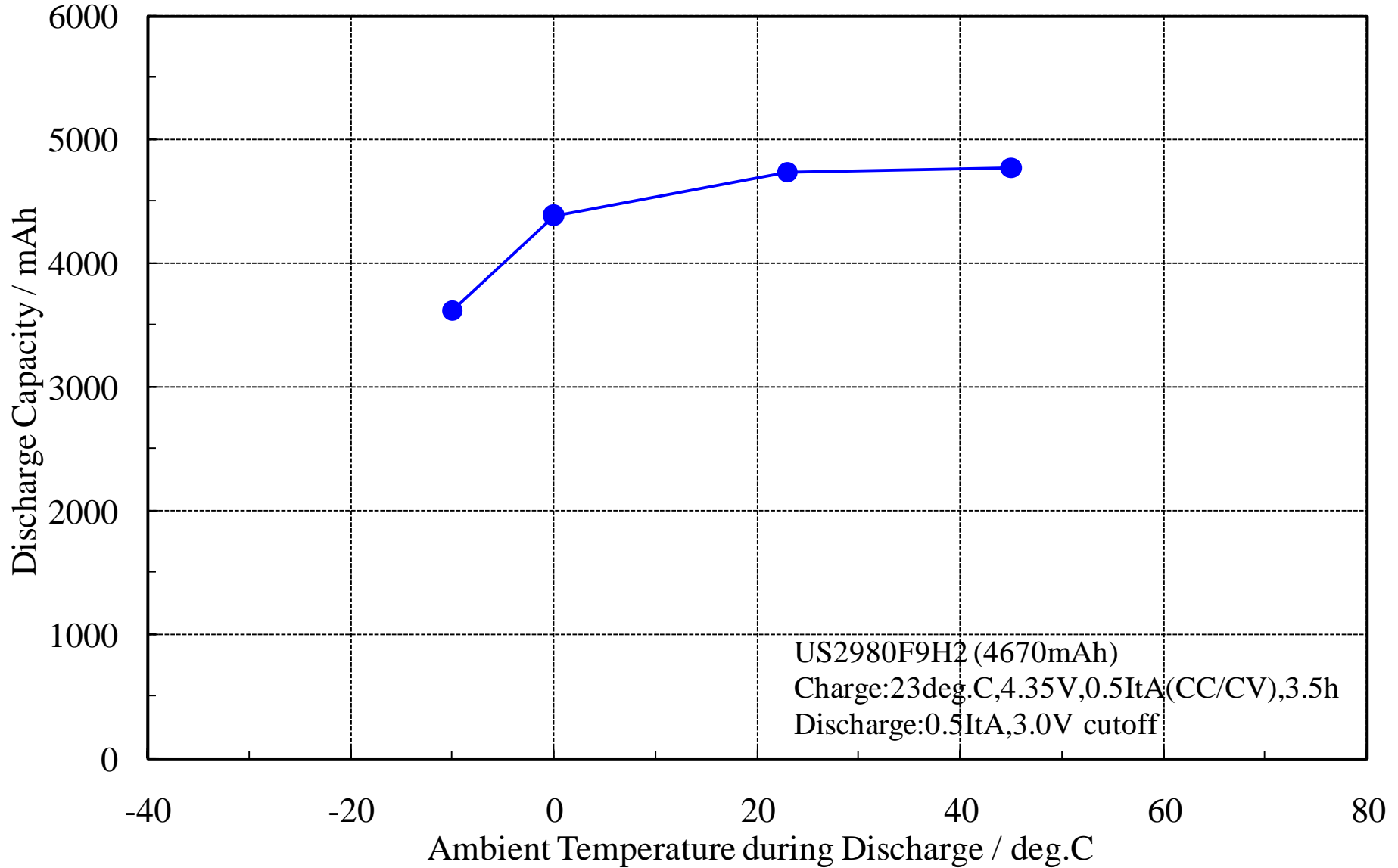
# Drain Capability



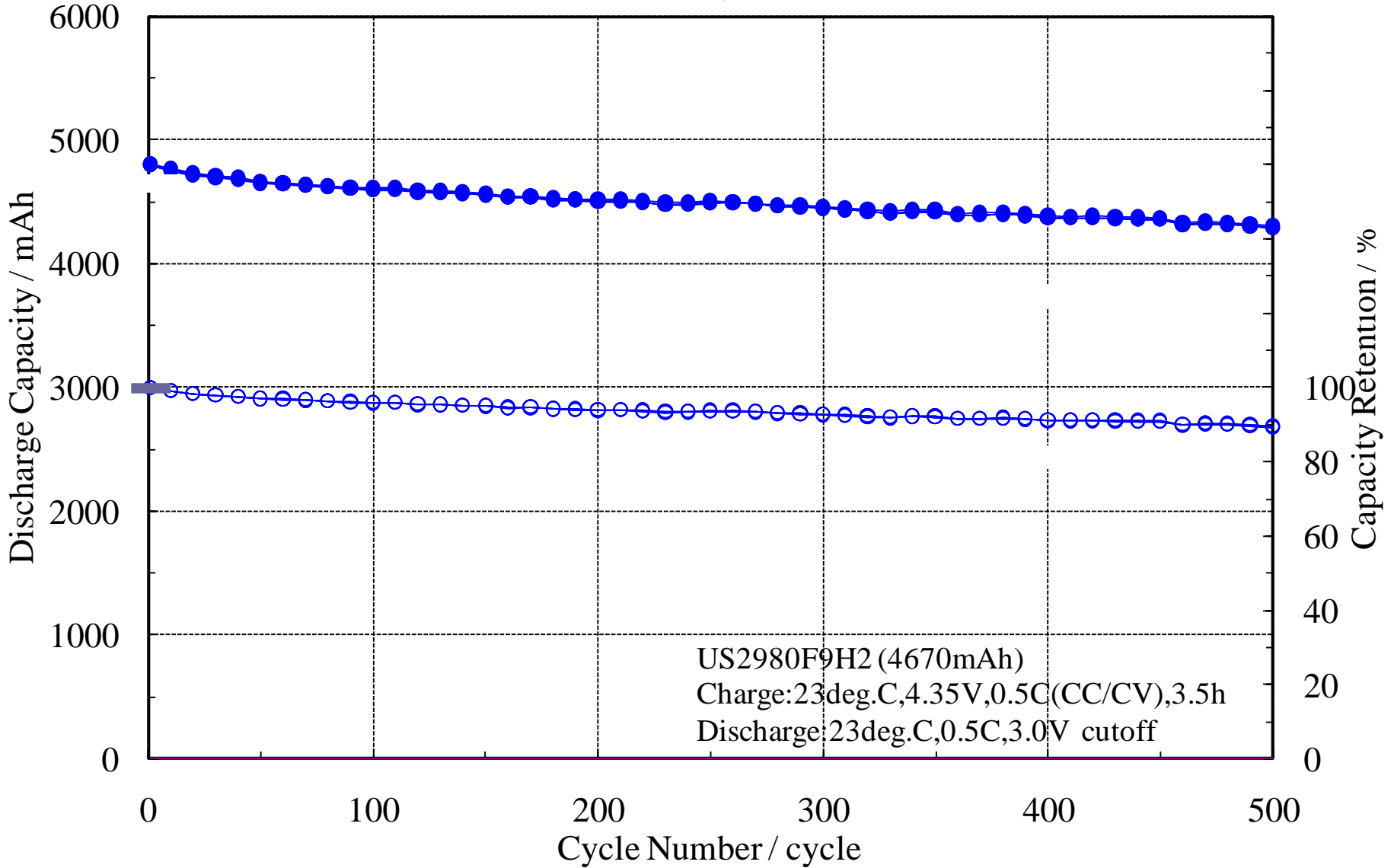
# Discharging Profile



# Discharge Temperature Performance



# Cycle Performance



# Cell Size ( US2980F9H2)

