

**1. General**

1.1 Scope

This specification applies to type  
: US396283BH7 Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US396283BH7  
1.2.2 Model Number : US396283BH7  
1.2.3 Code : 49943542

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer  
1.3.2 Size : Thickness 3.84 mm max  
Width 61.8 mm max  
Length(without Tab) 82.8 mm max

1.3.3 Weight : 47.2 g (typical)

1.4 Reference test current

1.0 ItA: 3340 mA

1.5 Safety Regulation

Murata acquired UL1642

**2. Performance**

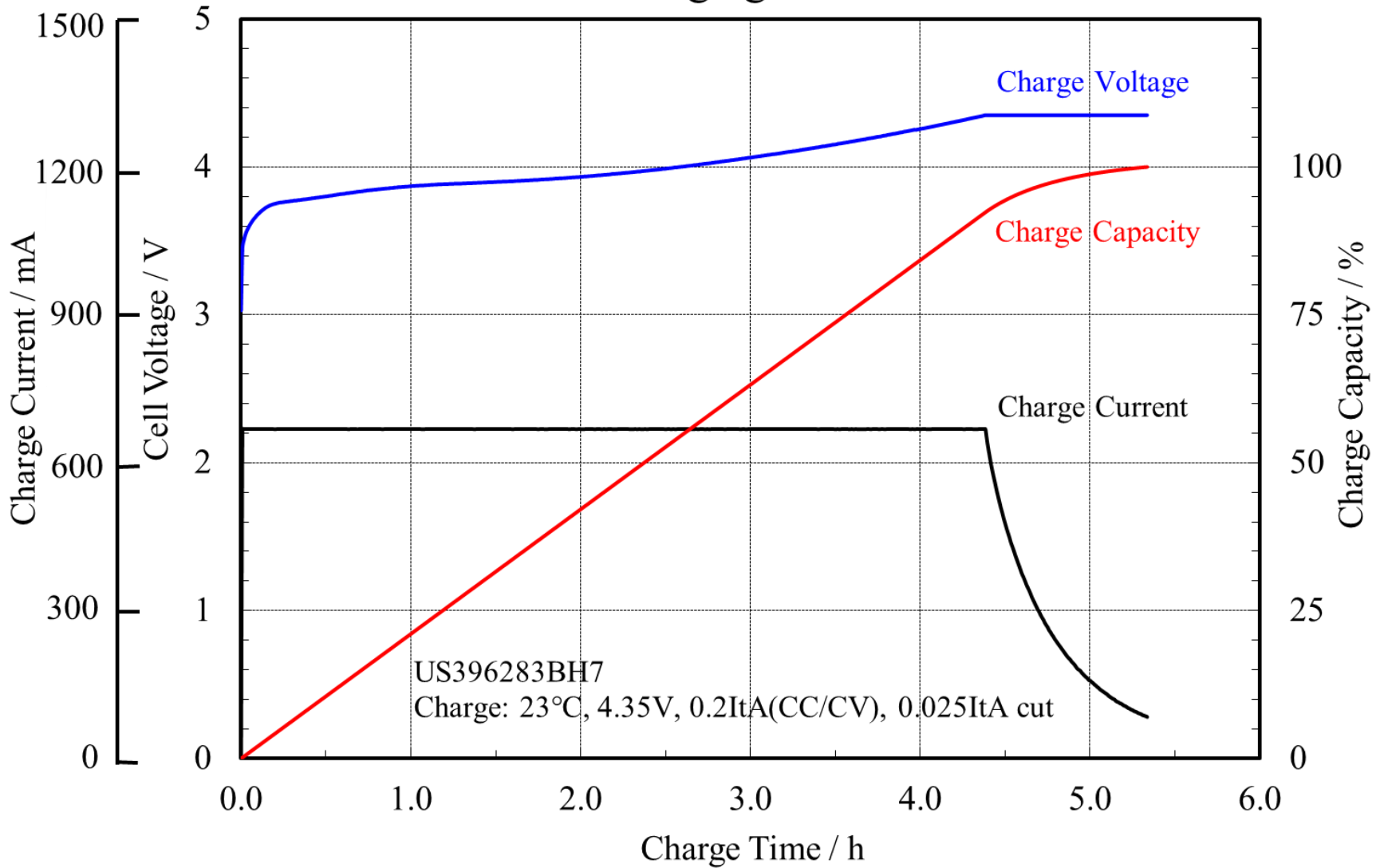
at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	3240mAh	average capacity 3.80 V (average discharge voltage)
	12.47 Wh	
Rated Capacity (0.2ItA discharge)	3160mAh	minimum capacity
	12.16 Wh	
Capacity at 0.5ItA	3164mAh	average capacity
	11.73 Wh	
Capacity at 1.0ItA	3024mAh	average capacity
	10.80 Wh	
Nominal Voltage	3.80 V	
Internal Impedance	32.5 mΩ	measured by AC1 kHz
Cycle Performance	80% of Initial capacity at 700 cycles	0.7 ItA discharge rate

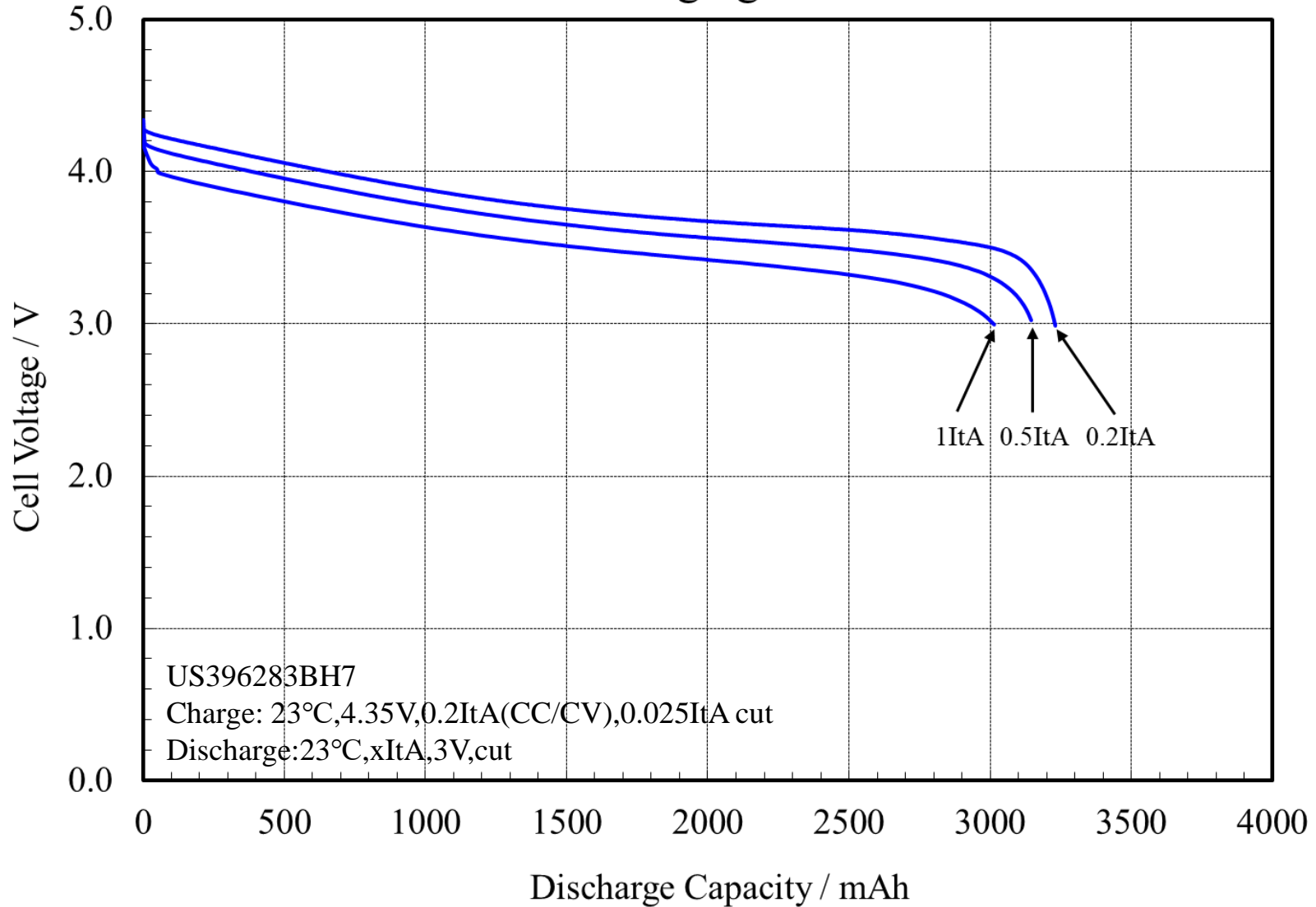
\*Standard Charge Condition

Charge Method : constant current / constant voltage  
Charge Up Voltage : 4.35 ± 0.05 V  
Charge Current : 0.668 A  
Charge Cut off Current : 84 mA  
Ambiance Temperature : 23 °C

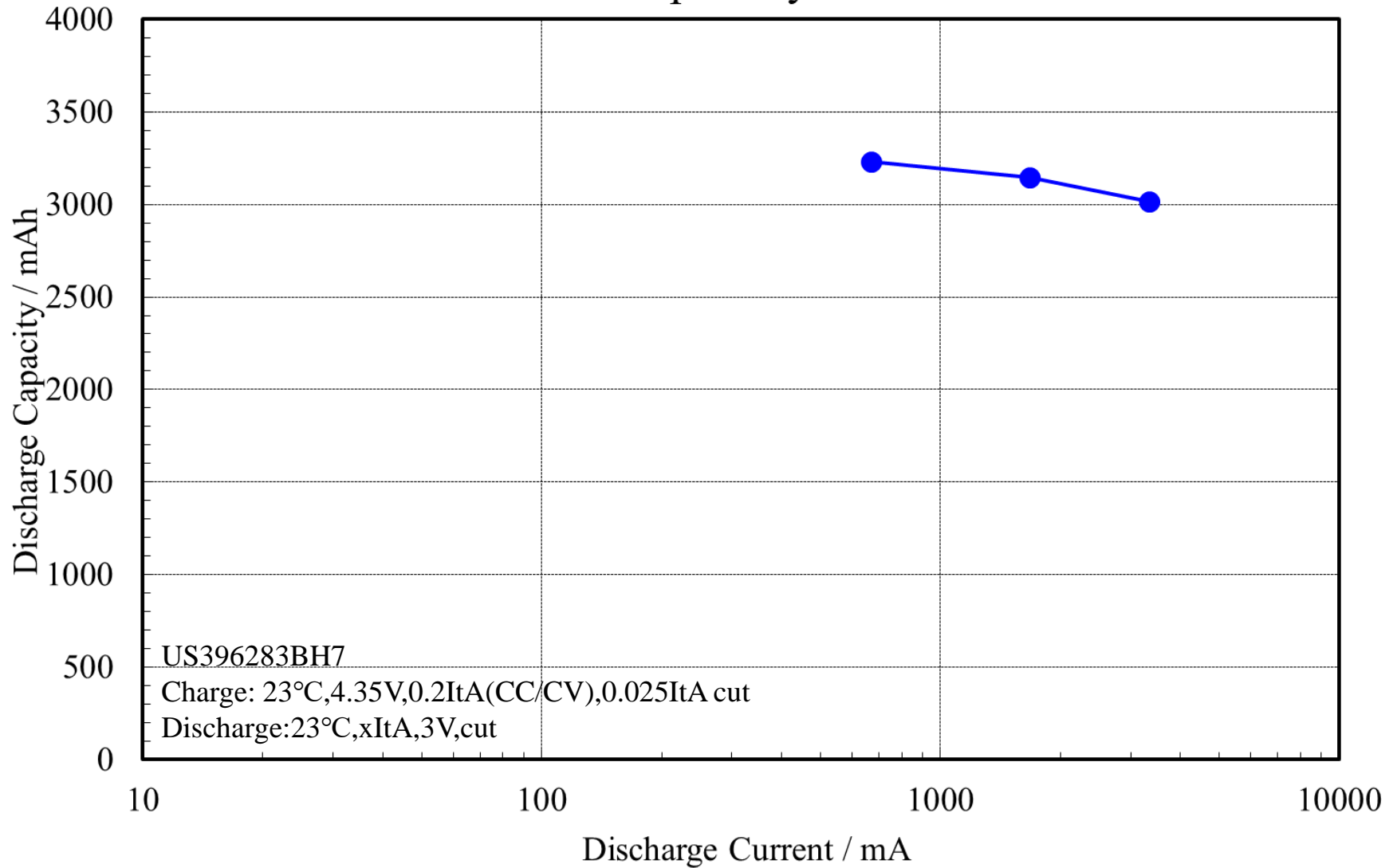
# Charging Profile



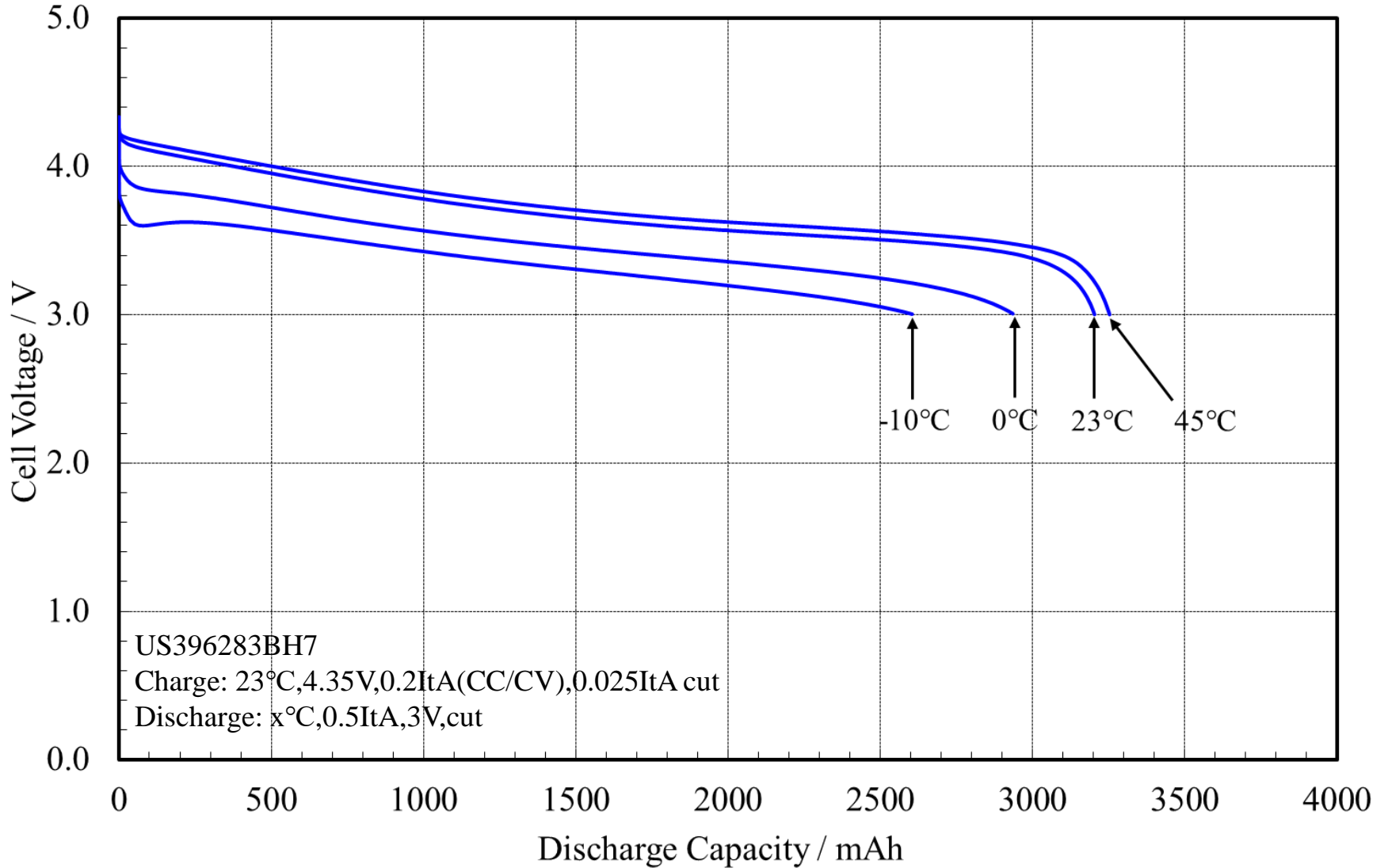
# Discharging Profile



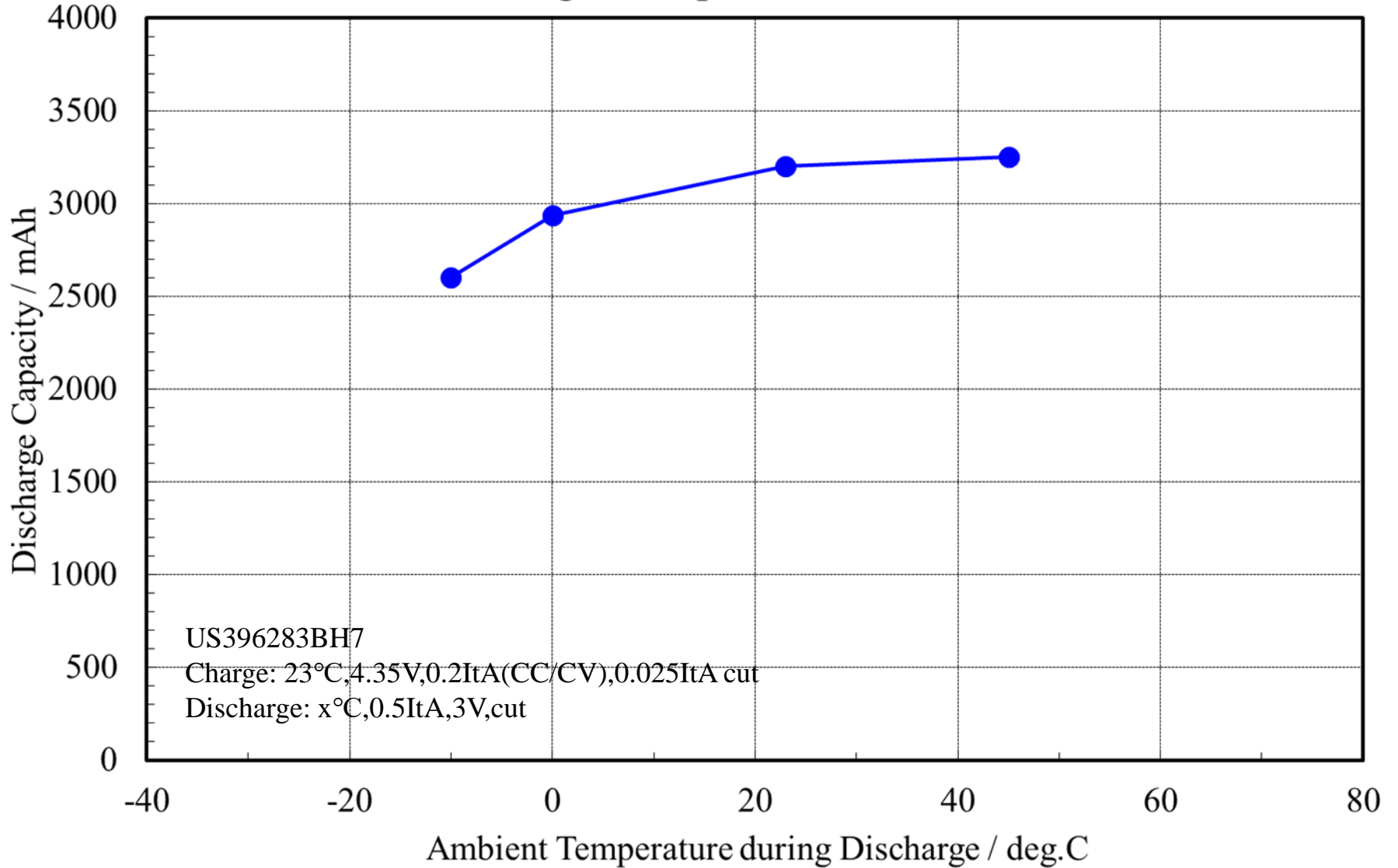
# Drain Capability



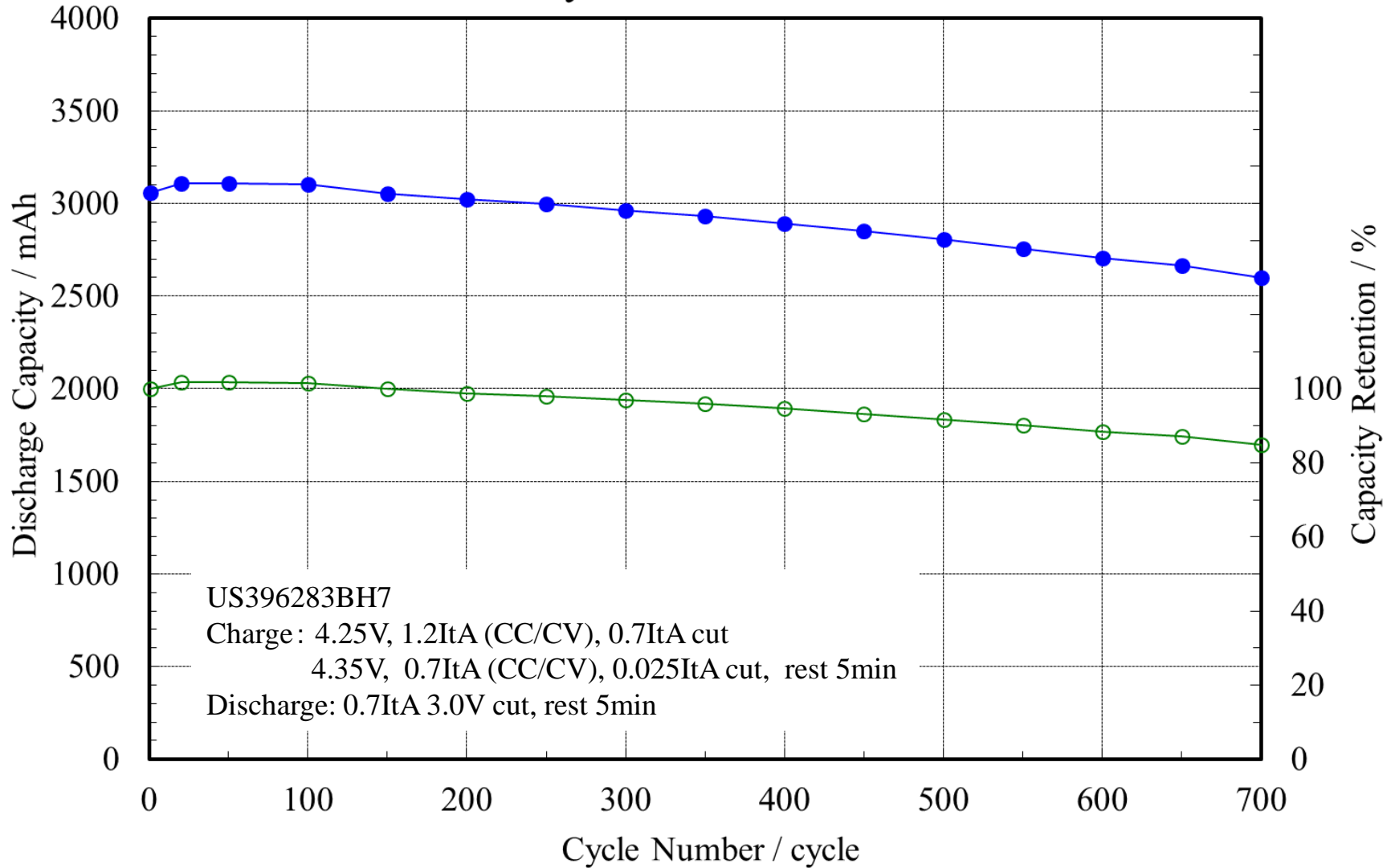
# Discharging Profile



# Discharge Temperature Performance



# Cycle Performance



# Cell Size (US396283BH7)

