

1. General

1.1 Scope

This specification applies to type
:US773038A12 Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US773038
1.2.2 Model Number : US773038A12
1.2.3 Code : 49927200

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer
1.3.2 Size : Thickness 7.62mm max
Width 29.3mm max
Length (without tab) 37.7mm max
1.3.3 Weight : 17.5g (typical)

1.4 Reference test current

1.0ItA : 1.03A

1.5 Safety Regulation

Acquired UL1642.

2. Performance

at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	1090mAh 4.03Wh	average capacity 3.70 V (average discharge voltage)
Rated Capacity (0.2ItA discharge)	1030mAh 3.81Wh	minimum capacity
Capacity at 0.5ItA	1060mAh 3.92Wh	average capacity
Capacity at 1.0ItA	1040mAh 3.85Wh	average capacity
Nominal Voltage	3.70V	
Internal Impedance	54mΩ	measured by AC1kHz
Cycle Performance	70% of initial capacity at 500 cycles	0.7ItA discharge rate

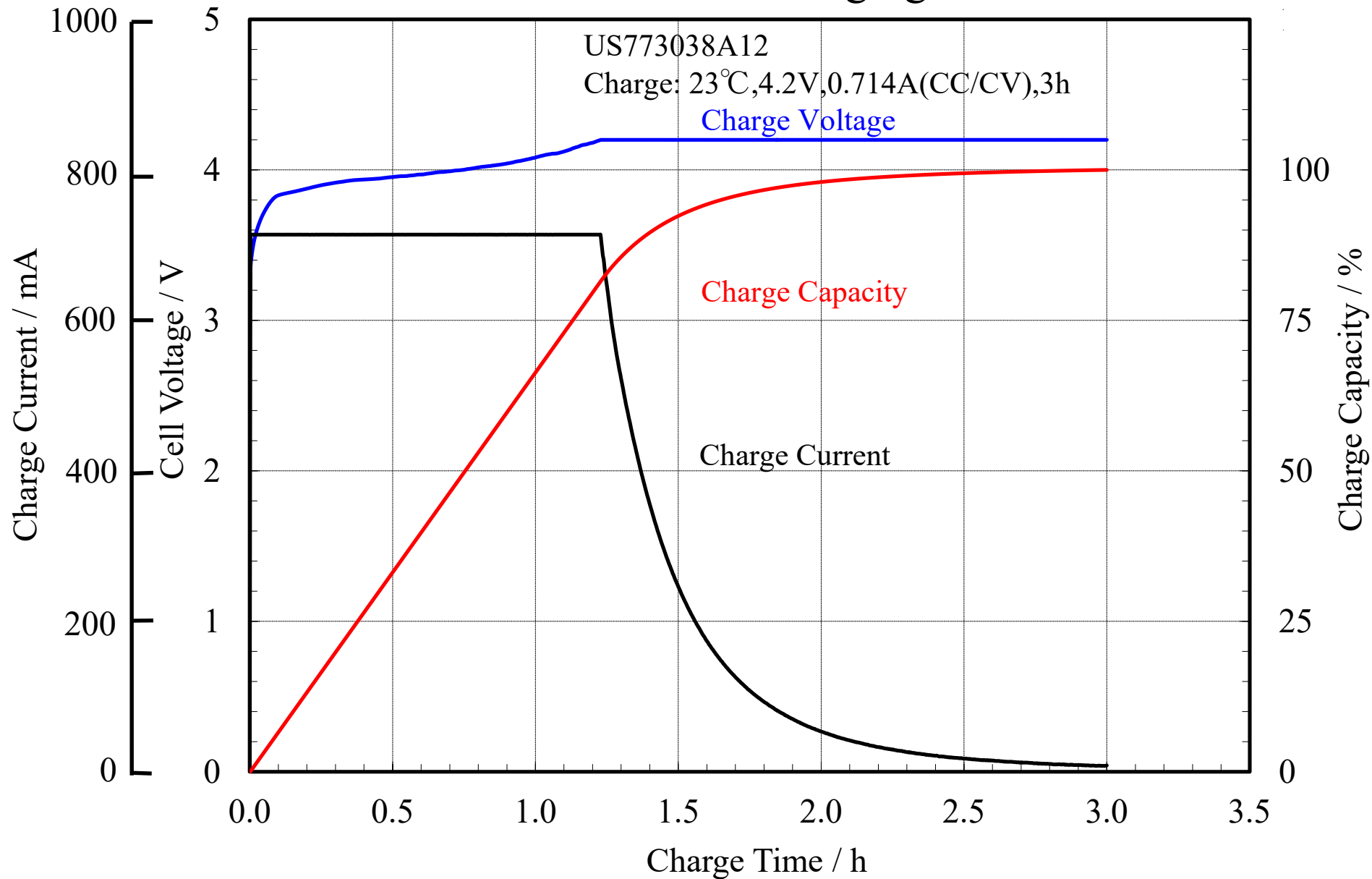
* Standard Charge Condition

Charge Method : constant current constant voltage
Charge Up Voltage : 4.2 V ± 0.05V
Charge Current : 0.714A
Charge Time : 3.0hours charge
Ambiance Temperature : 23°C

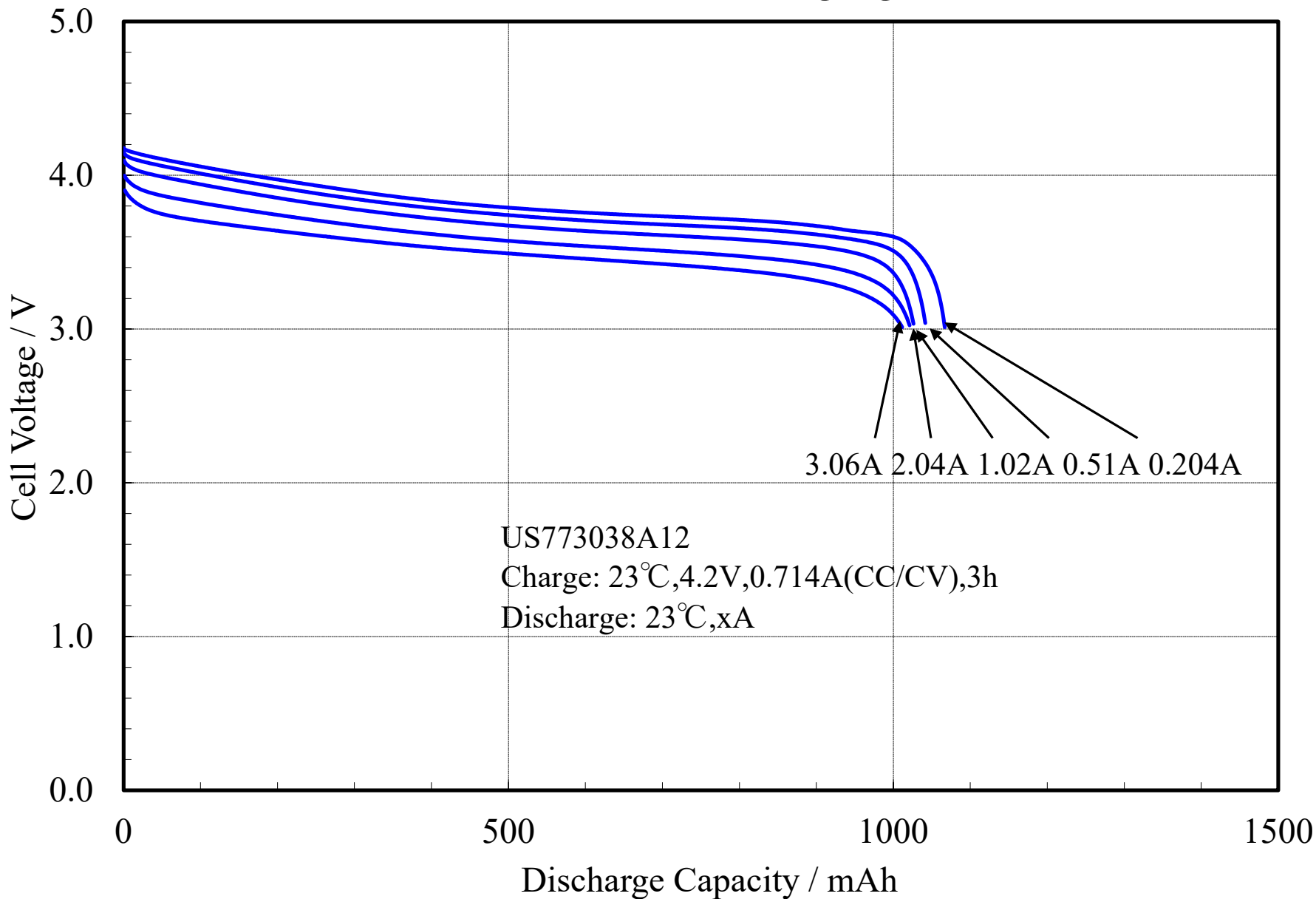
Condition Charging Profile

US773038A12

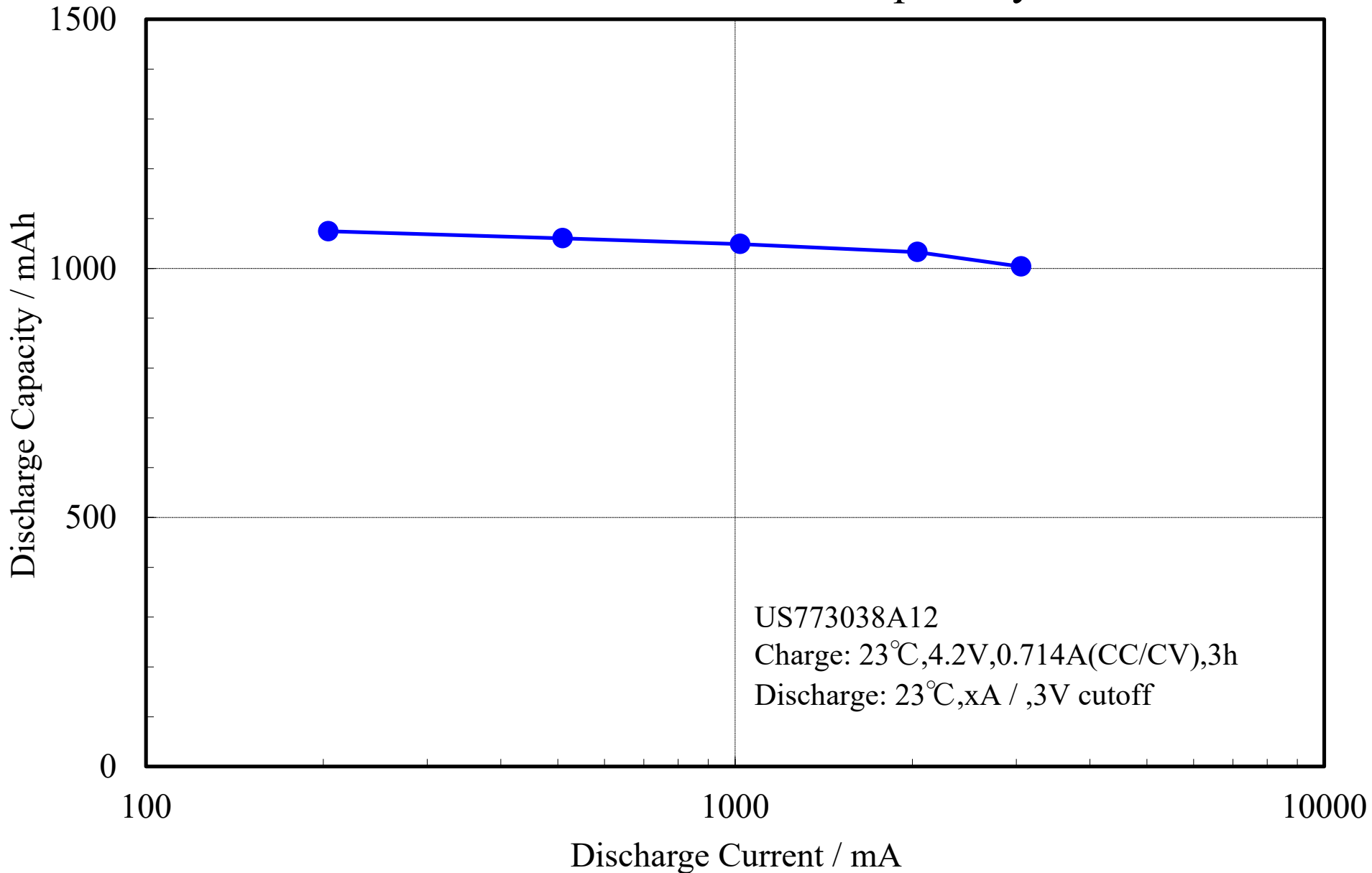
Charge: 23°C, 4.2V, 0.714A(CC/CV), 3h



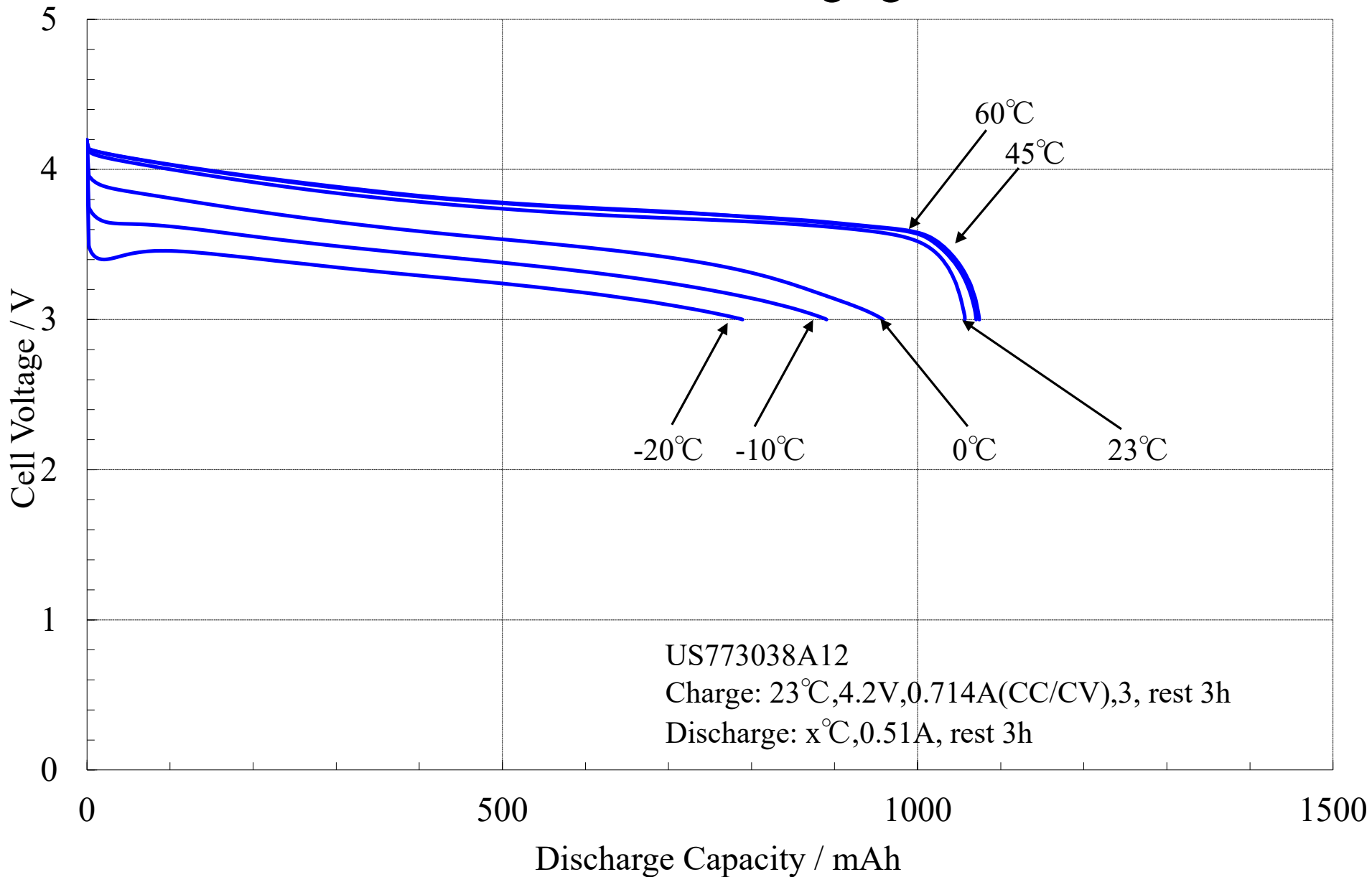
Condition Discharging Profile



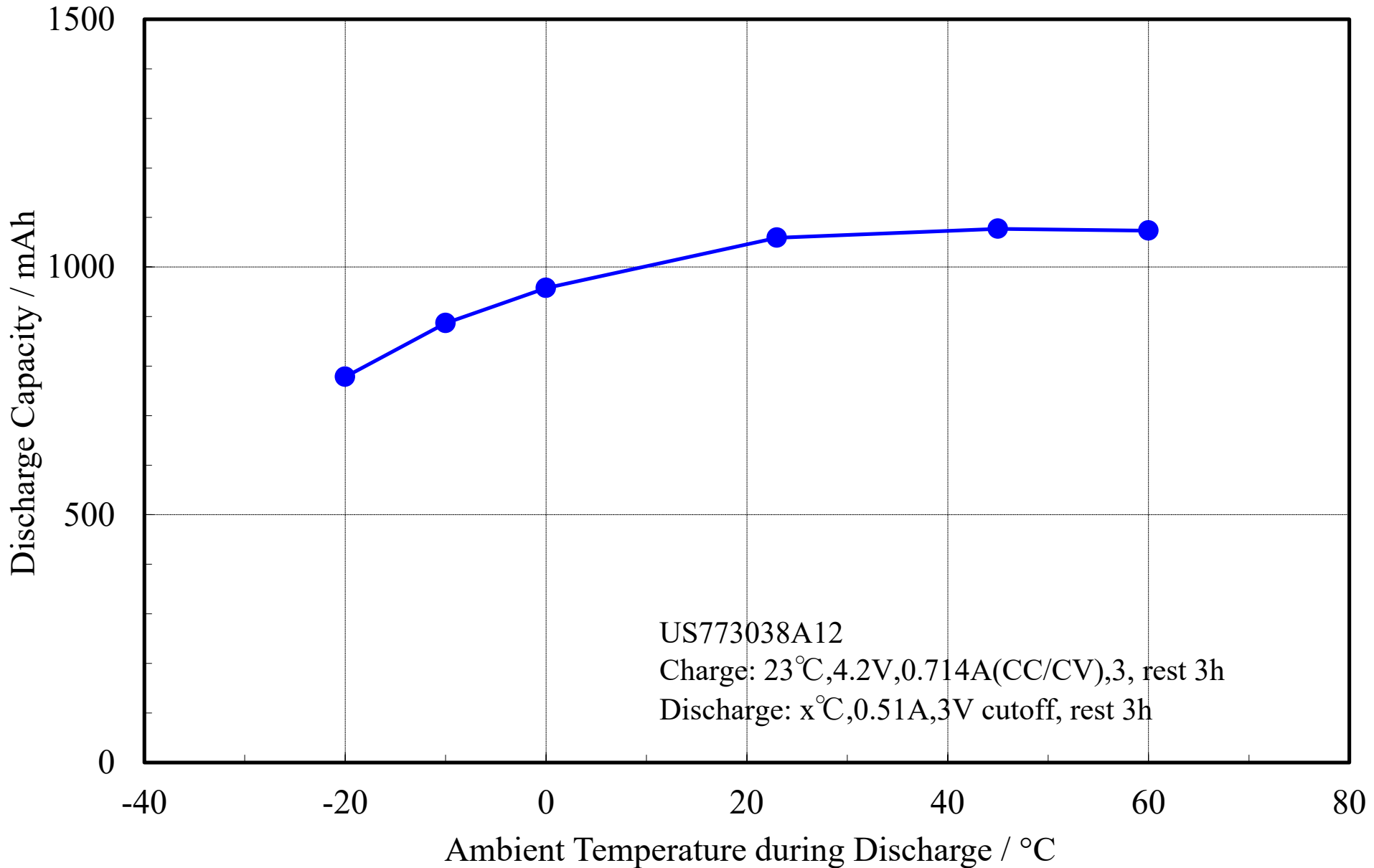
Condition Drain Capability



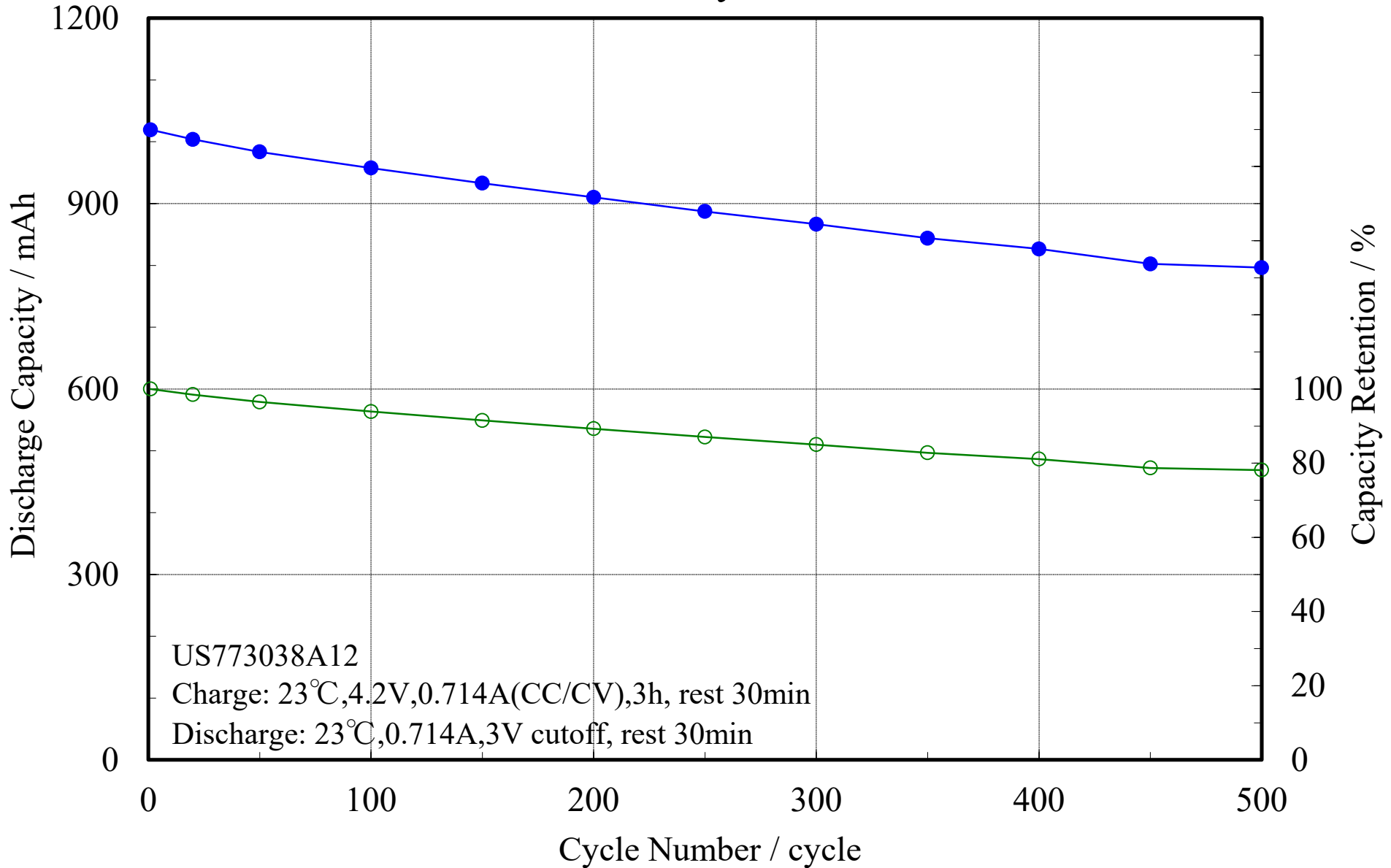
Condition Discharging Profile



Condition Discharge Temperature Performance



Condition Cycle Performance



Cell Size (US773038A12)

