

1. General

1.1 Scope

This specification applies to type
: US595676 Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US595676

1.2.2 Model Number : US595676K5S

1.2.3 Code : 49942839

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer

1.3.2 Size : Thickness 5.85mm max
Width 55.9mm max
Length (without tab) 75.5mm max

1.3.3 Weight : 55.5 g (typical)

1.4 Reference test current

1.0ItA : 3020mA

1.5 Safety Regulation

Murata acquired UL1642.

2. Performance

at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	3150mAh 11.91Wh	average capacity 3.78 V (average discharge voltage)
Rated Capacity (0.2ItA discharge)	3020mAh 11.40Wh	minimum capacity
Capacity at 0.5ItA	3110mAh 11.49Wh	average capacity
Capacity at 1.0ItA	3050mAh 10.93Wh	average capacity
Nominal Voltage	3.70V	
Internal Impedance	40mΩ	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

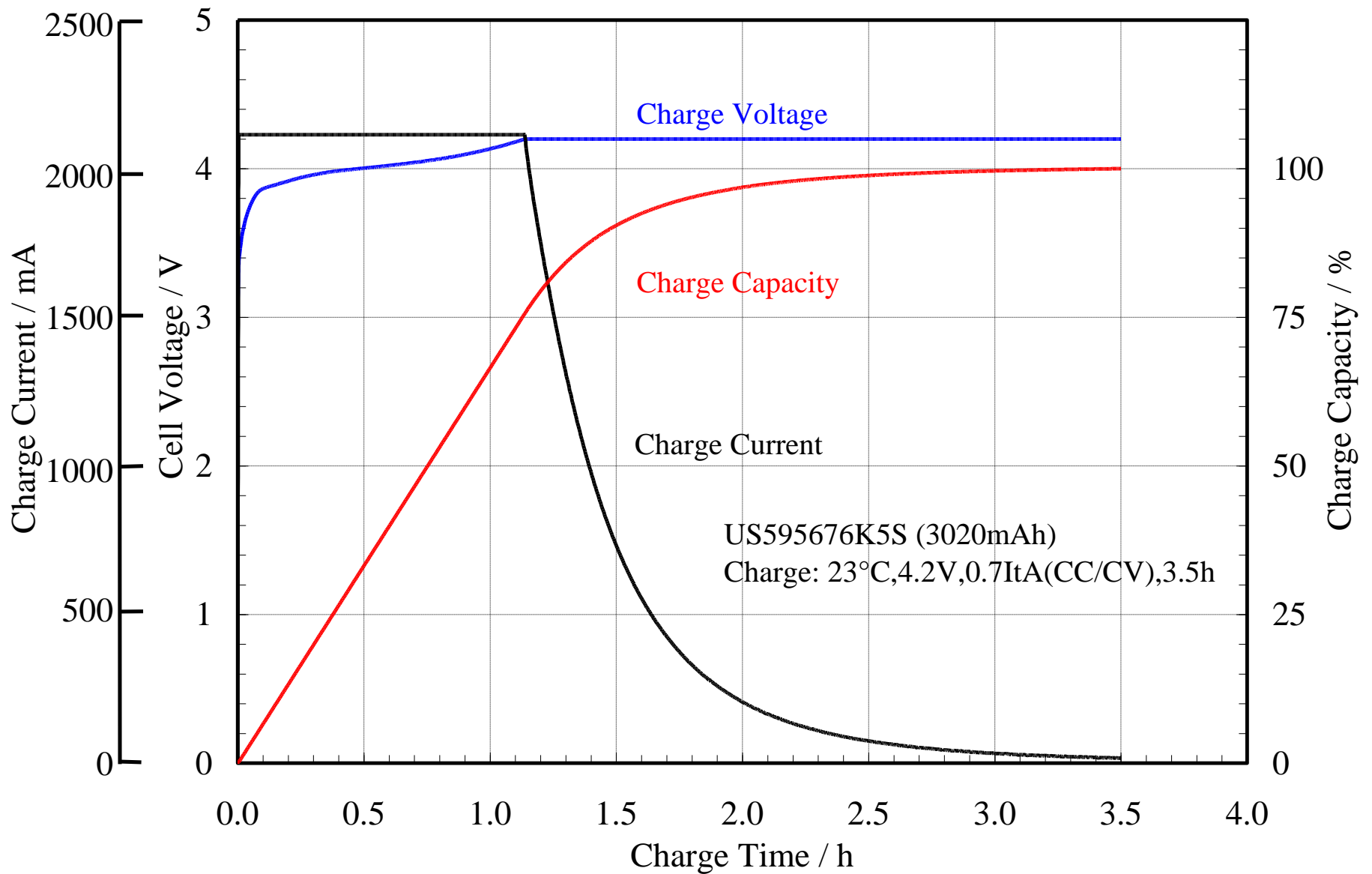
Charge Up Voltage : 4.2 V±0.05V

Charge Current : 2.11A

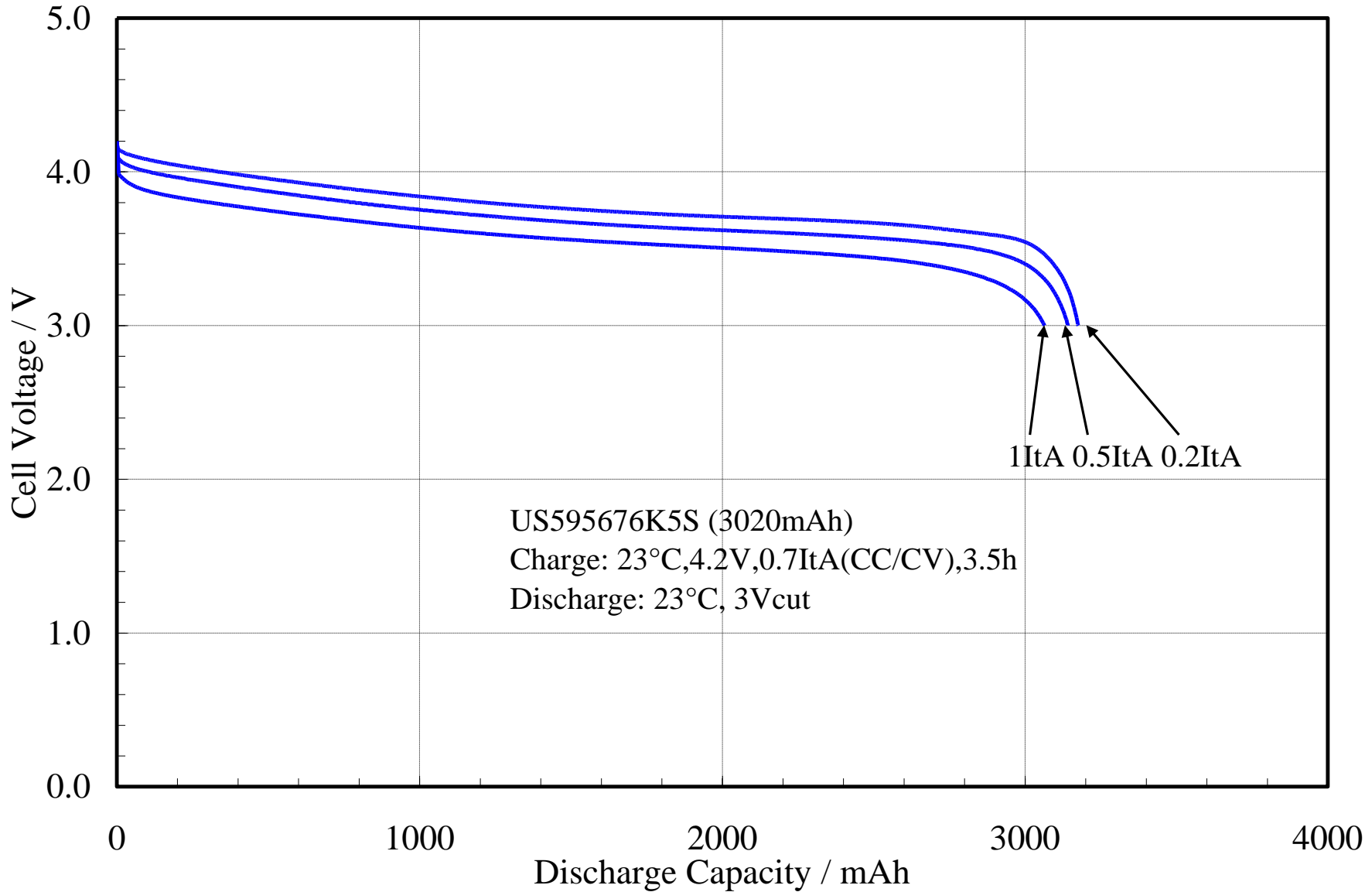
Charge Time : 3.5hours charge

Ambiance Temperature : 23°C

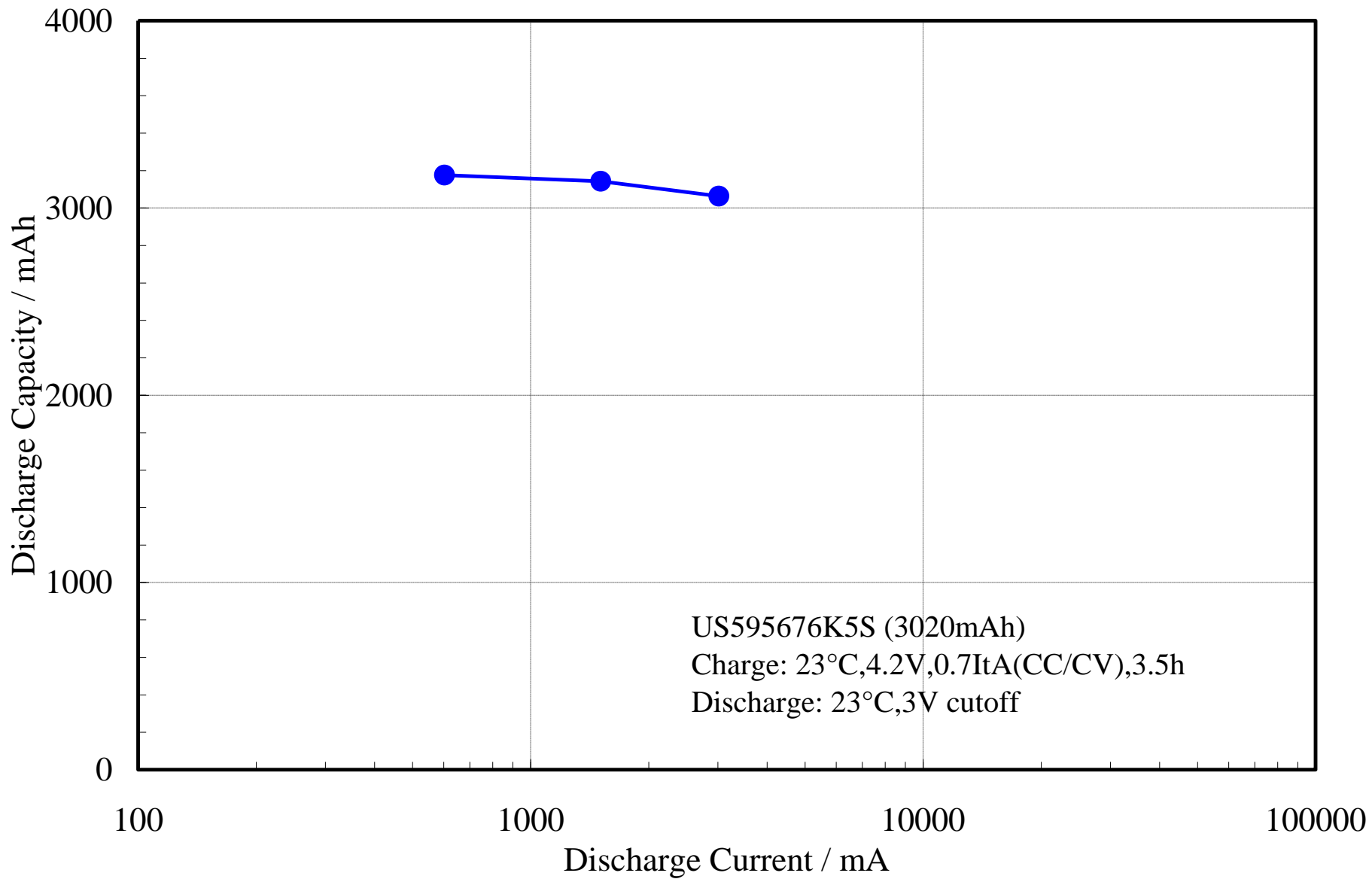
Charging Profile



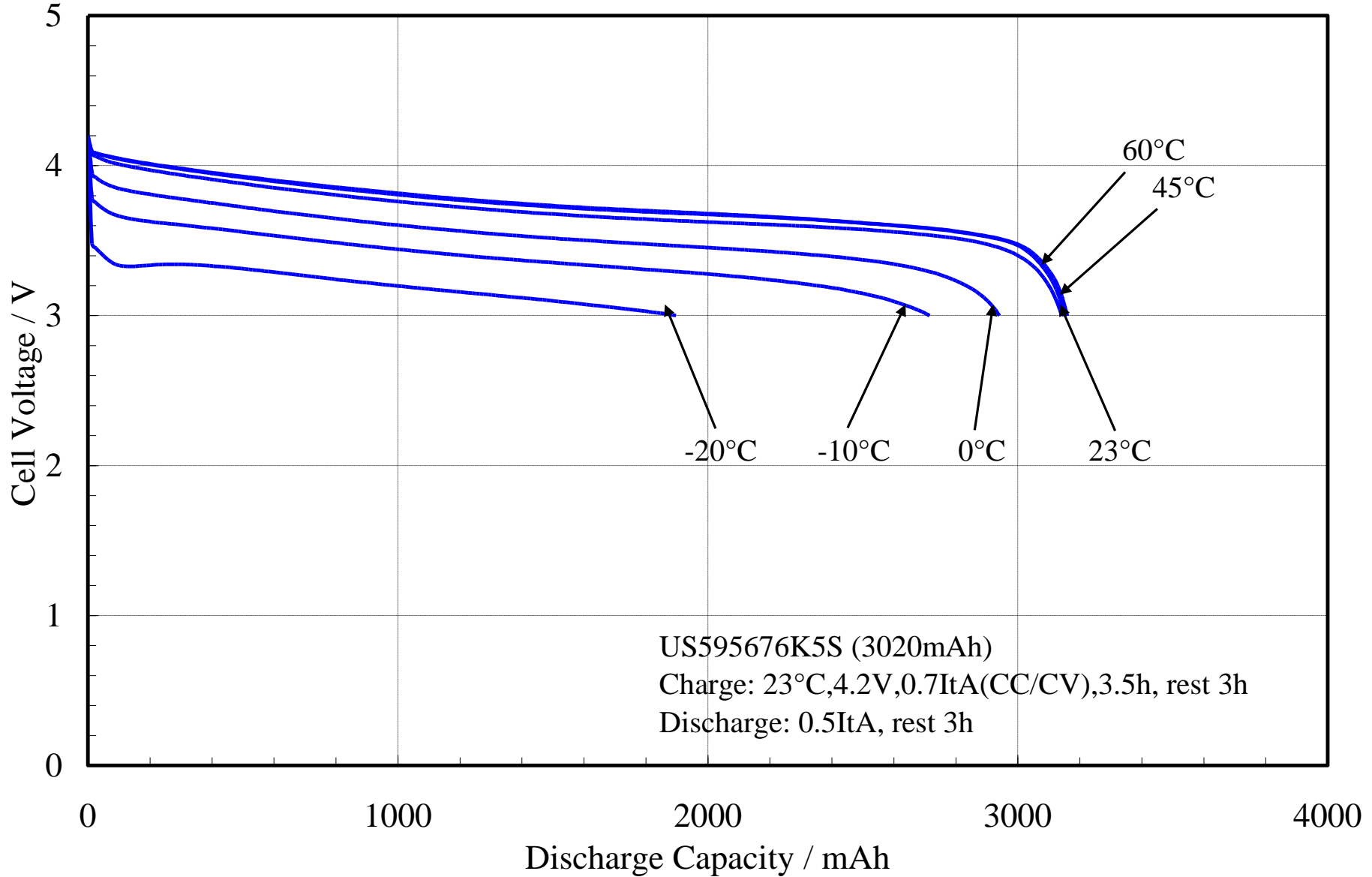
Discharging Profile



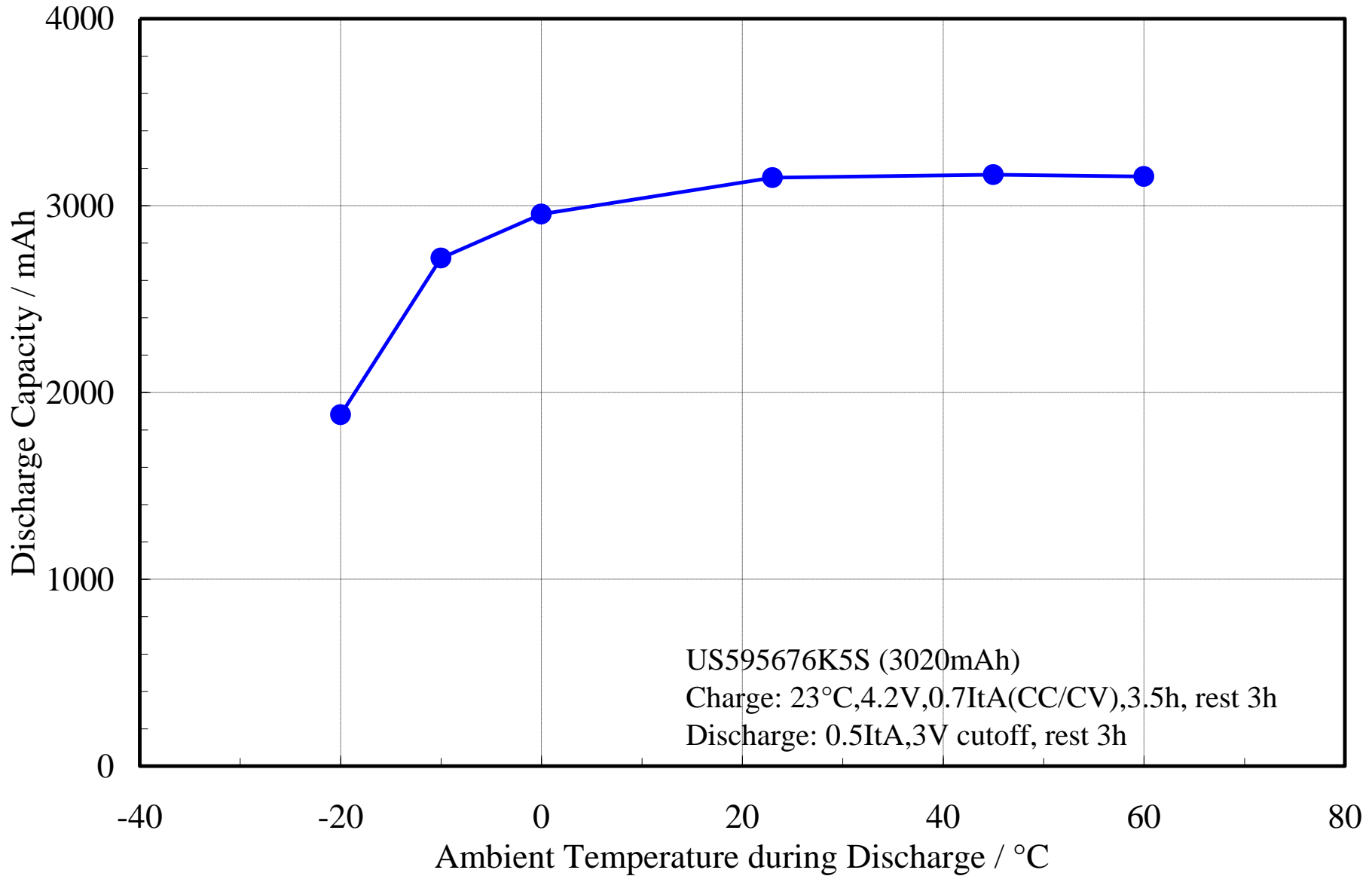
Drain Capability



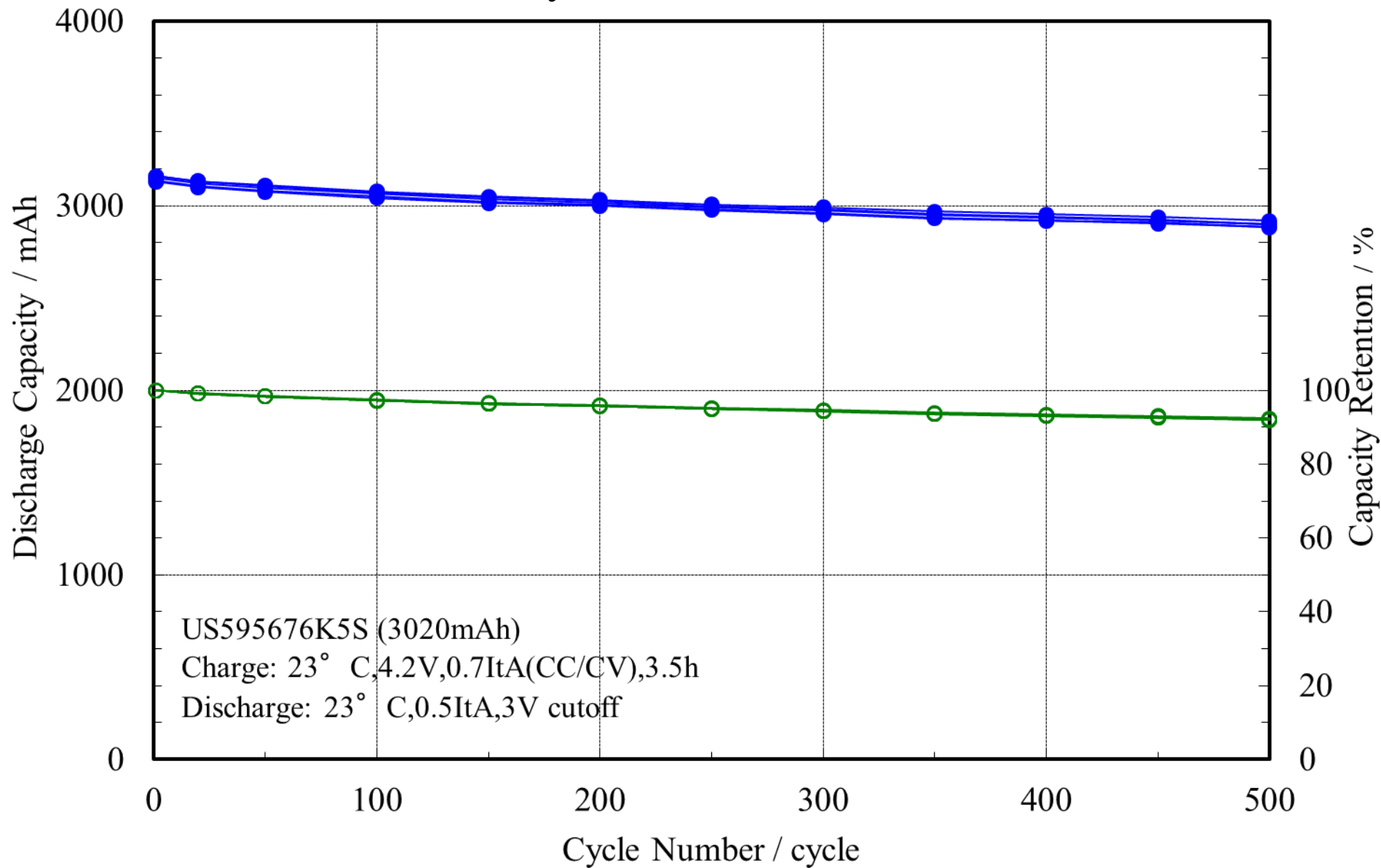
Discharging Profile



Discharge Temperature Performance



Cycle Performance



Cell Size (US595676K5S)

