

1. General

1.1 Scope

This specification applies to type
:US552131A10S Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US552131
1.2.2 Model Number : US552131A10S
1.2.3 Code : 49922460

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer
1.3.2 Size : Thickness 5.50mm max
Width 21.11mm max
Length (without tab) 30.75mm max
1.3.3 Weight : 6.5 g (typical)

1.4 Reference test current

1.0ItA : 320mA

1.5 Safety Regulation

Acquired UL1642.

2. Performance

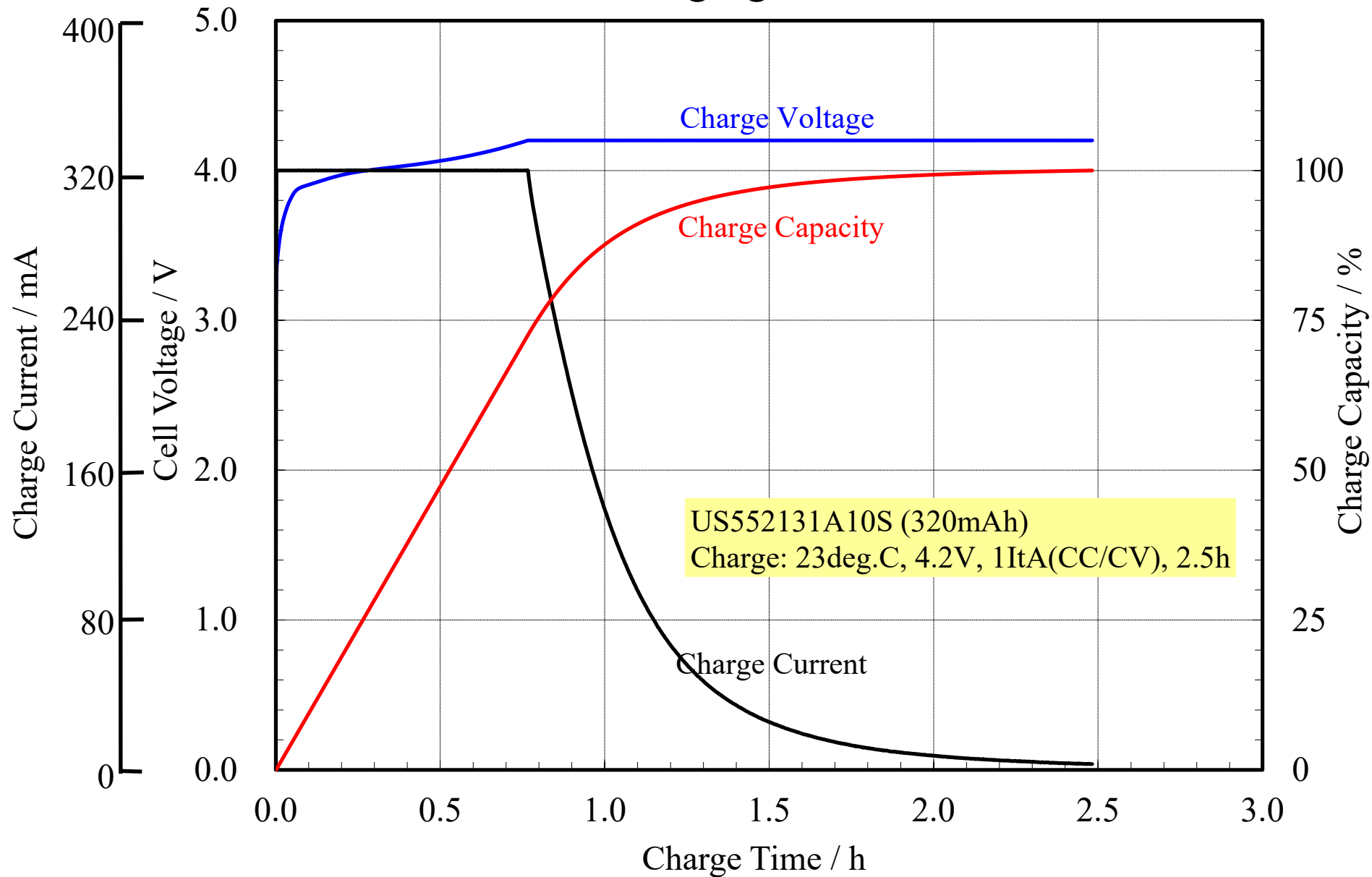
at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	335mAh 1.24Wh	average capacity 3.70 V (average discharge voltage)
Rated Capacity (0.2ItA discharge)	320mAh 1.18Wh	minimum capacity
Capacity at 0.5ItA	329mAh 1.23Wh	average capacity
Capacity at 1.0ItA	325mAh 1.17Wh	average capacity
Nominal Voltage	3.70V	
Internal Impedance	90mΩ	measured by AC1kHz
Cycle Performance	80% of Initial capacity at 500 cycles	0.5ItA discharge rate

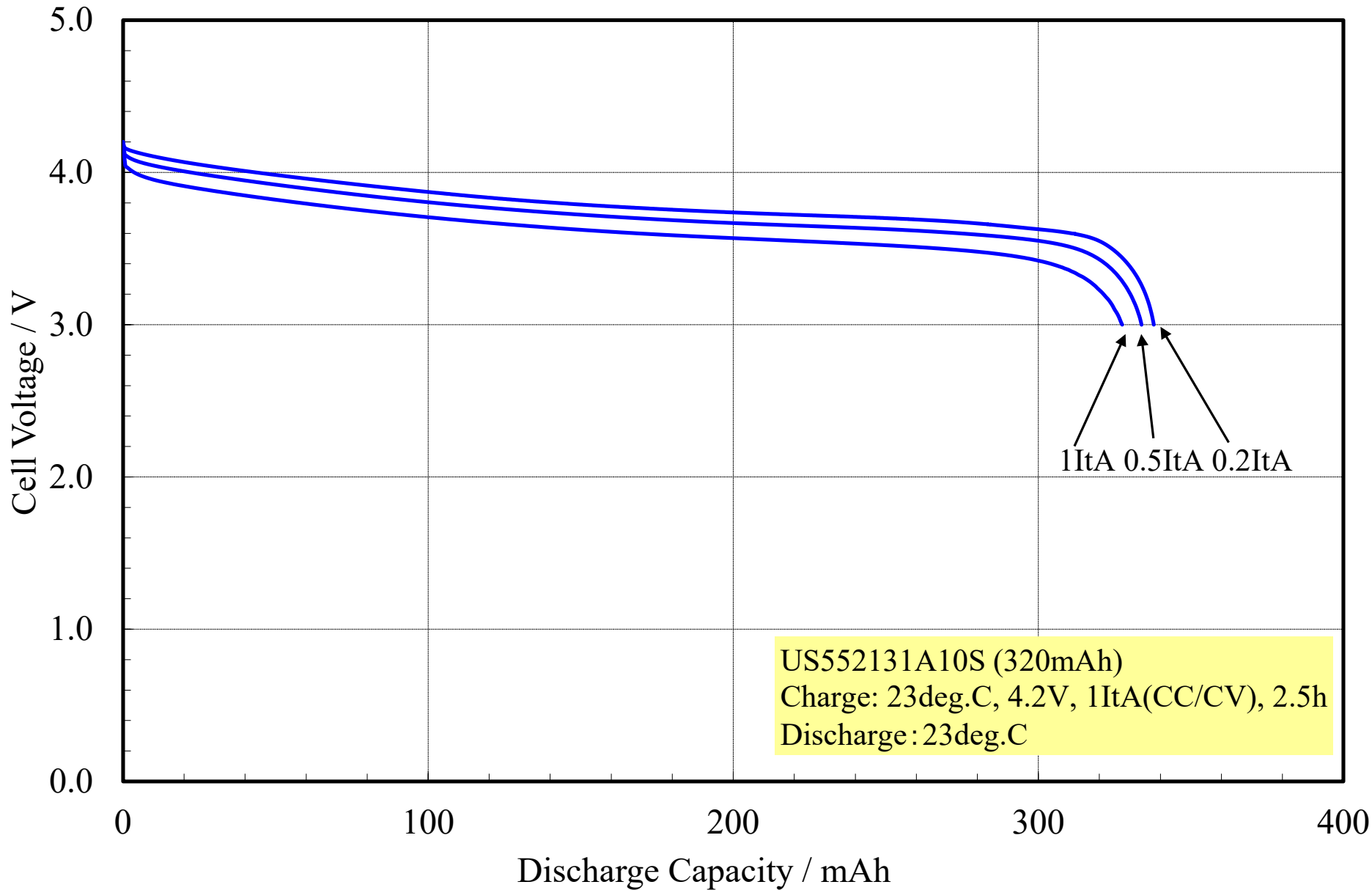
* Standard Charge Condition

Charge Method : constant current constant voltage
Charge Up Voltage : 4.2 V±0.05V
Charge Current : 0.320A
Charge Time : 2.5hours charge
Ambiance Temperature : 23°C

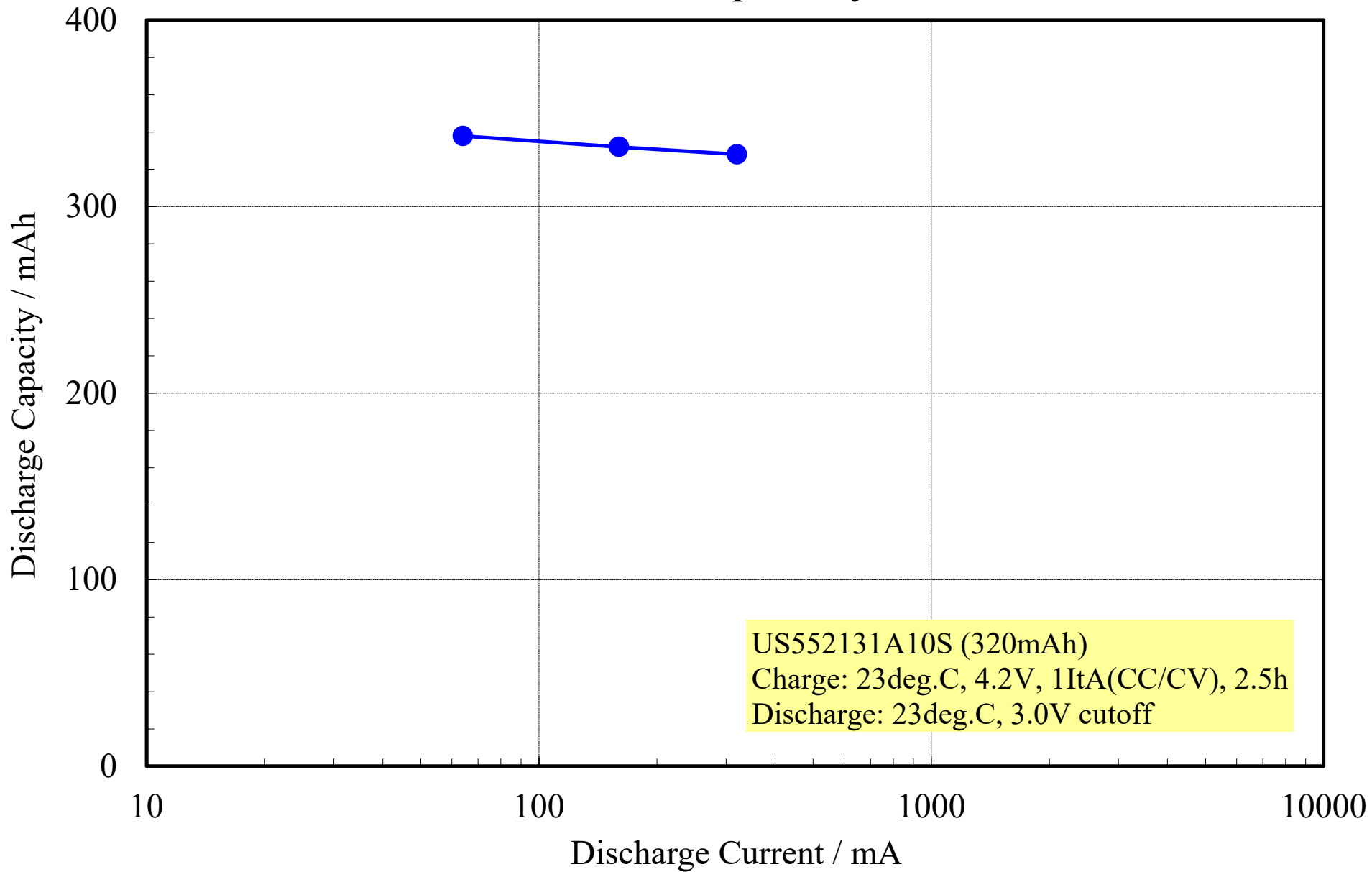
Charging Profile



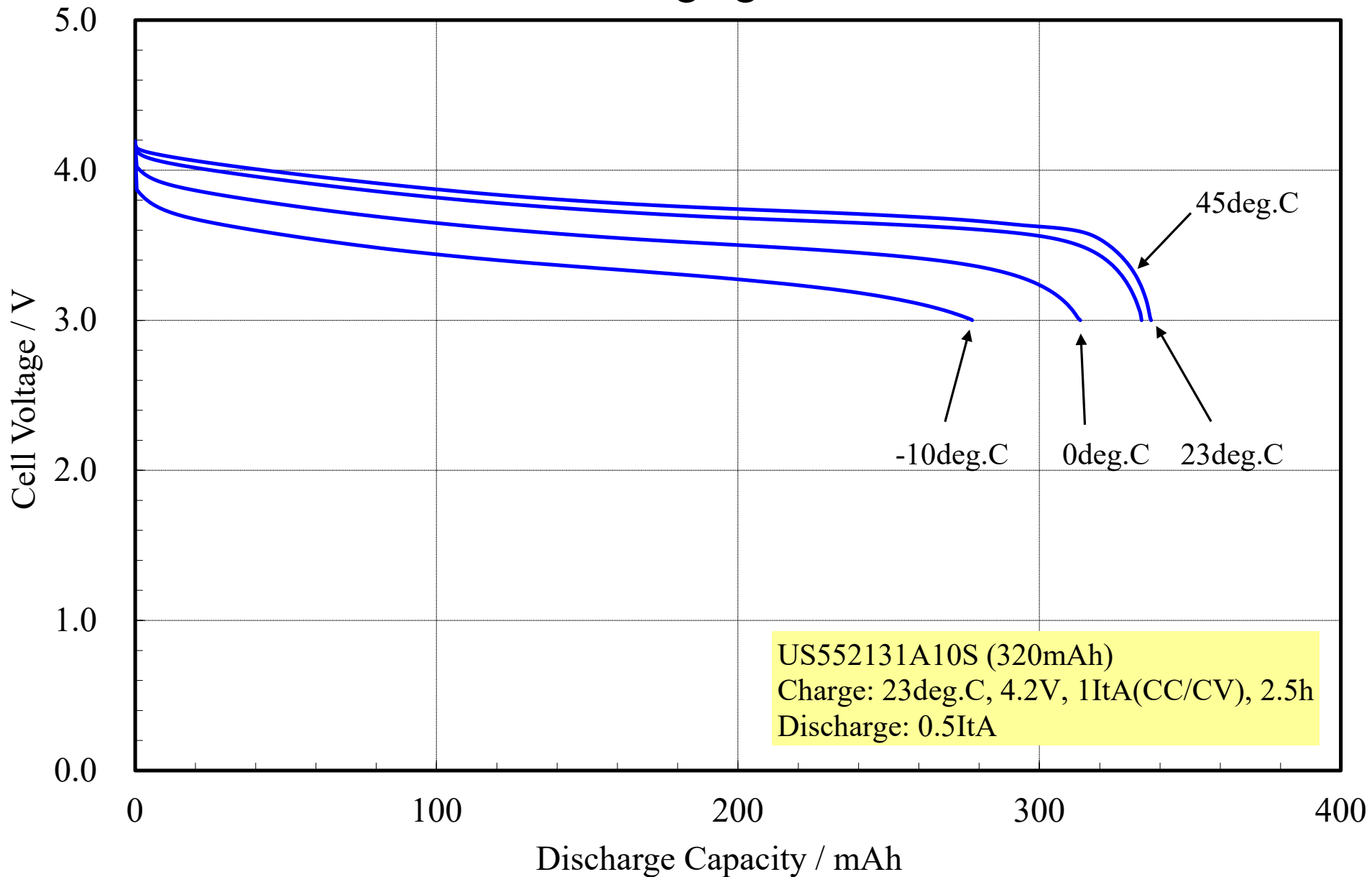
Discharging Profile



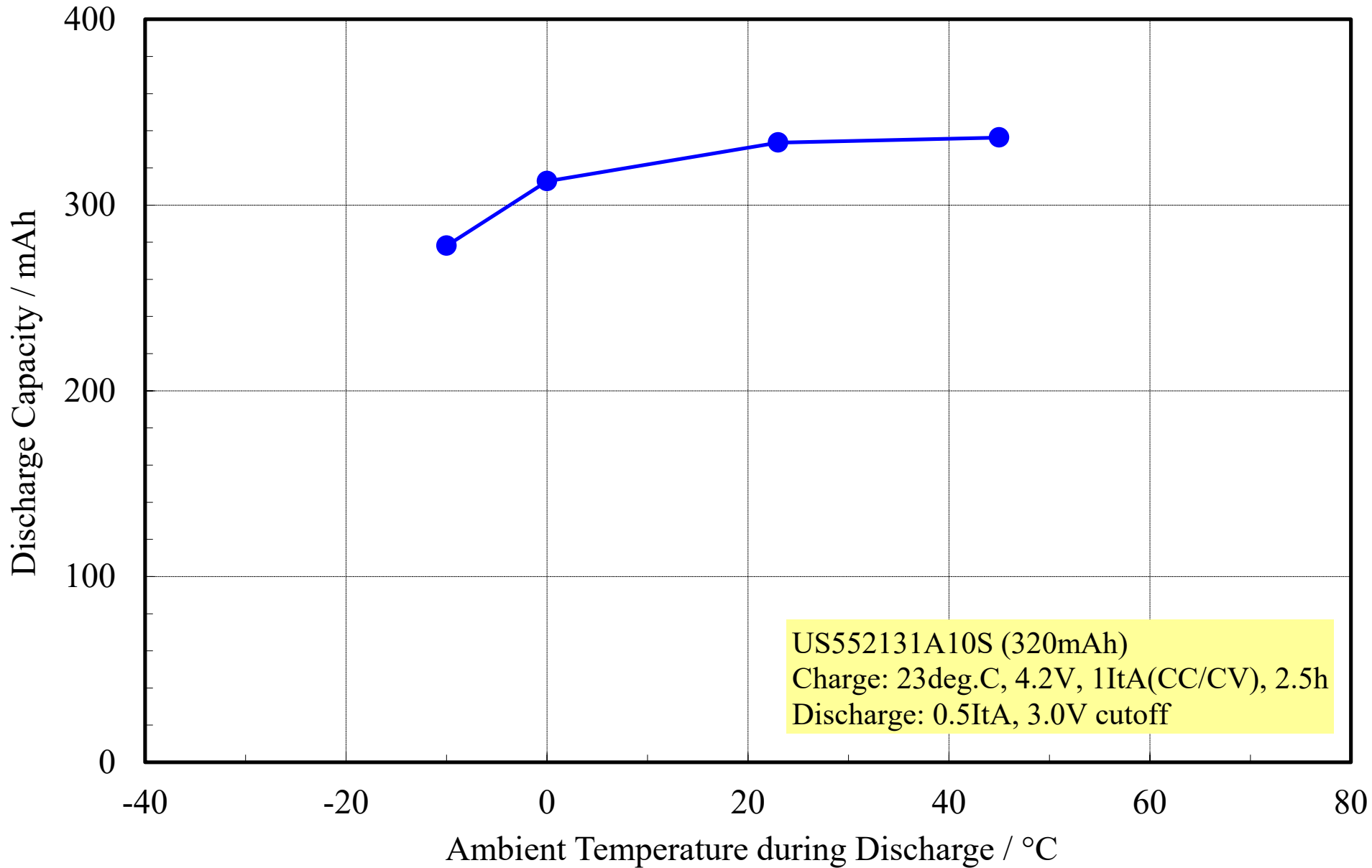
Drain Capability



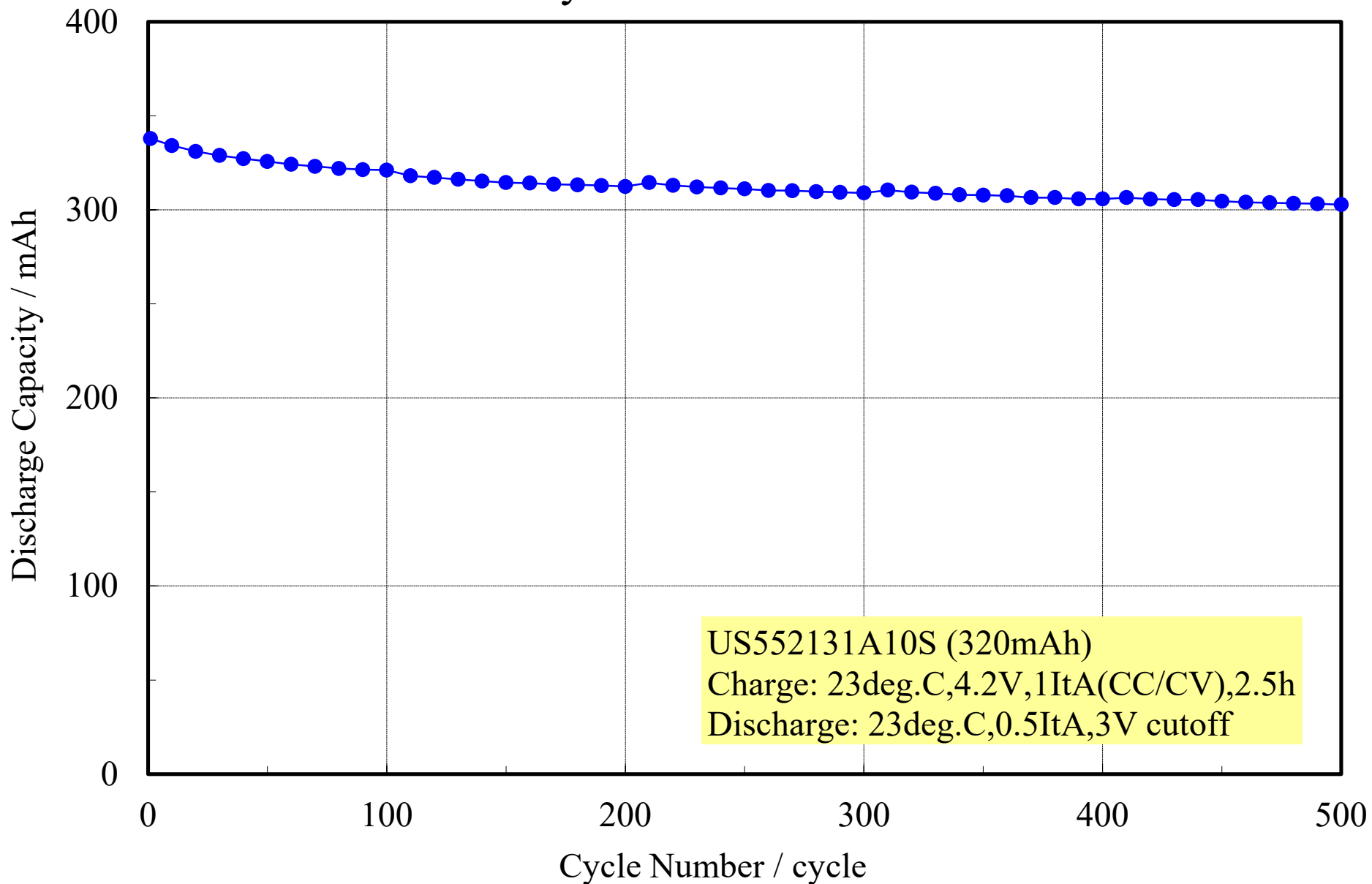
Discharging Profile



Discharge Temperature Performance



Cycle Performance



Cell Size (US552131A10S)

