

1. General

1.1 Scope

This specification applies to type
: US321741A10S Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US321741A10S
1.2.2 Model Number : US321741A10S
1.2.3 Code : 49943330

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer
1.3.2 Size : Thickness 3.2 mm max
Width 16.5 mm max
Length(without Tab) 40.5 mm max
1.3.3 Weight : 4.2 g (typical)

1.4 Reference test current

1.0 ItA: 180 mA

1.5 Safety Regulation

Murata acquired UL1642

2. Performance

at room temperature, 3.0V cut off

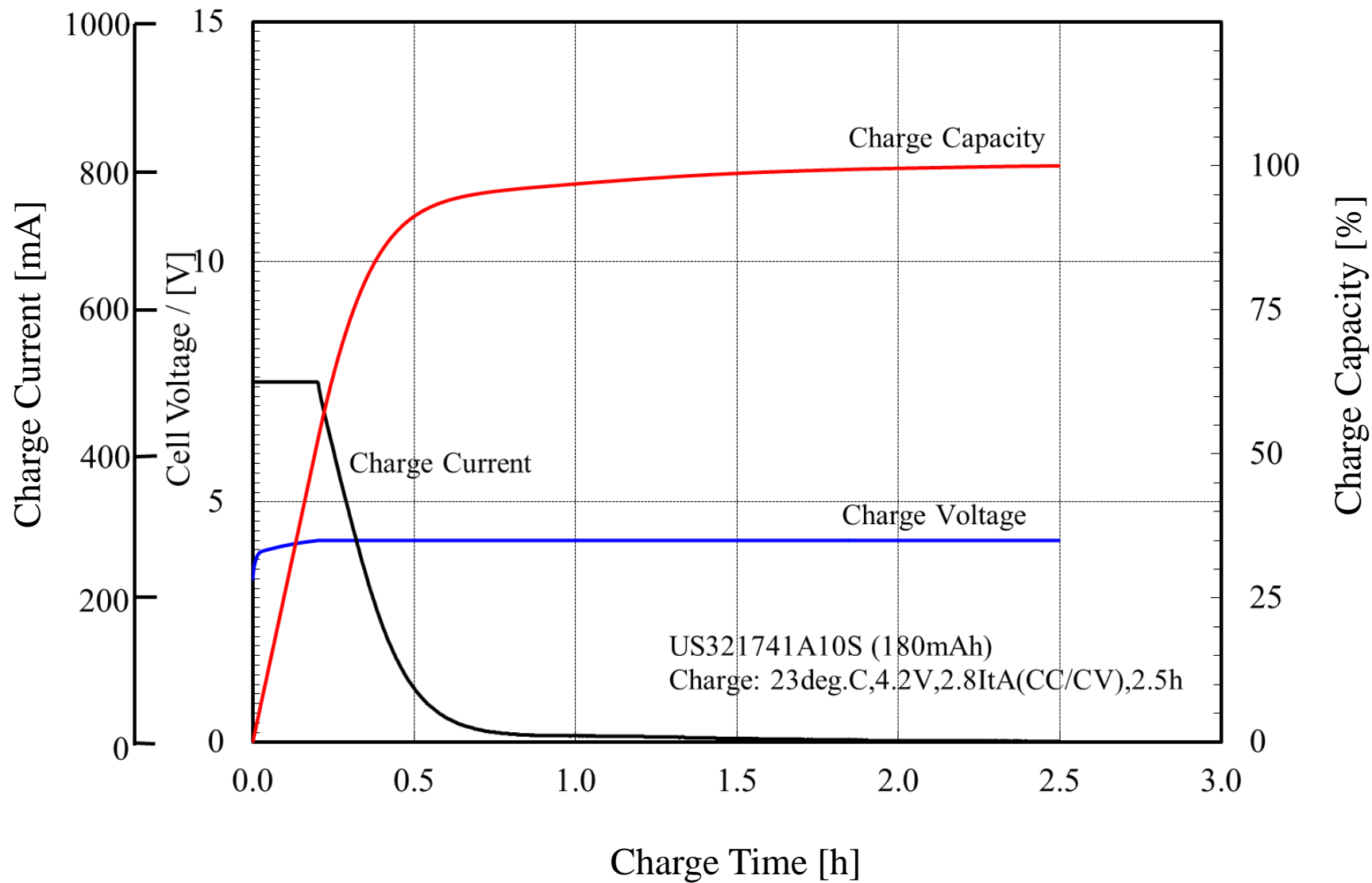
Nominal Capacity (0.2ItA discharge)	190mAh	average capacity 3.79 V (average discharge voltage)
	0.72 Wh	
Rated Capacity (0.2ItA discharge)	180mAh	minimum capacity
	0.69Wh	
Capacity at 0.5ItA	185mAh	average capacity
	0.69 Wh	
Capacity at 1.0ItA	178mAh	average capacity
	0.66 Wh	
Nominal Voltage	3.7 V	
Internal Impedance	115 mΩ	measured by AC1 kHz
Cycle Performance	80% of Initial capacity at 400 cycles	1.0 ItA discharge rate

*Standard Charge Condition

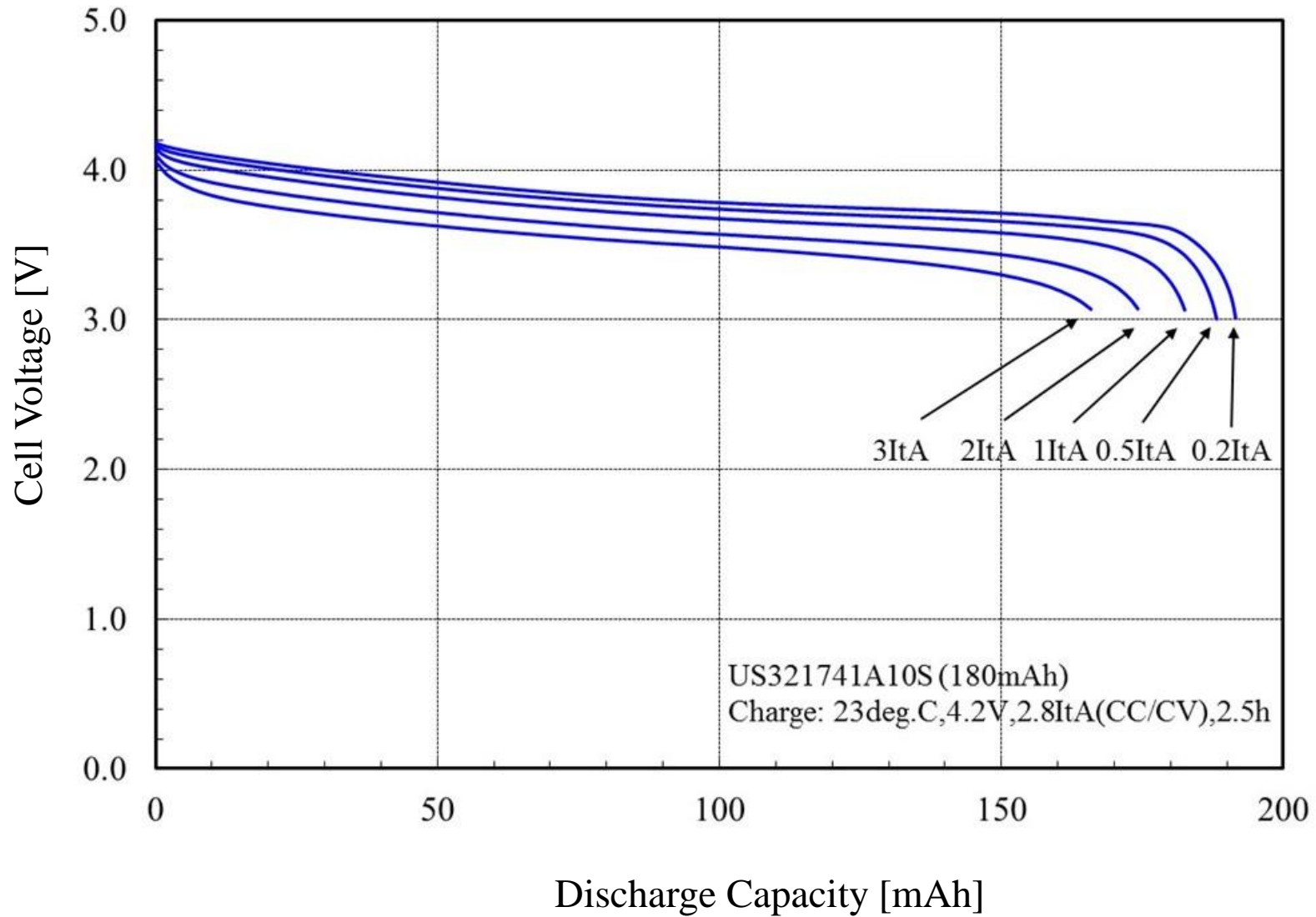
Charge Method : constant current / constant voltage
Charge Up Voltage : 4.2 ± 0.05 V
Charge Current : 0.5 A
Charge Time : 2.5 h
Ambiance Temperature : 23 deg.C

*Maximum Charge Current : 0.5 A

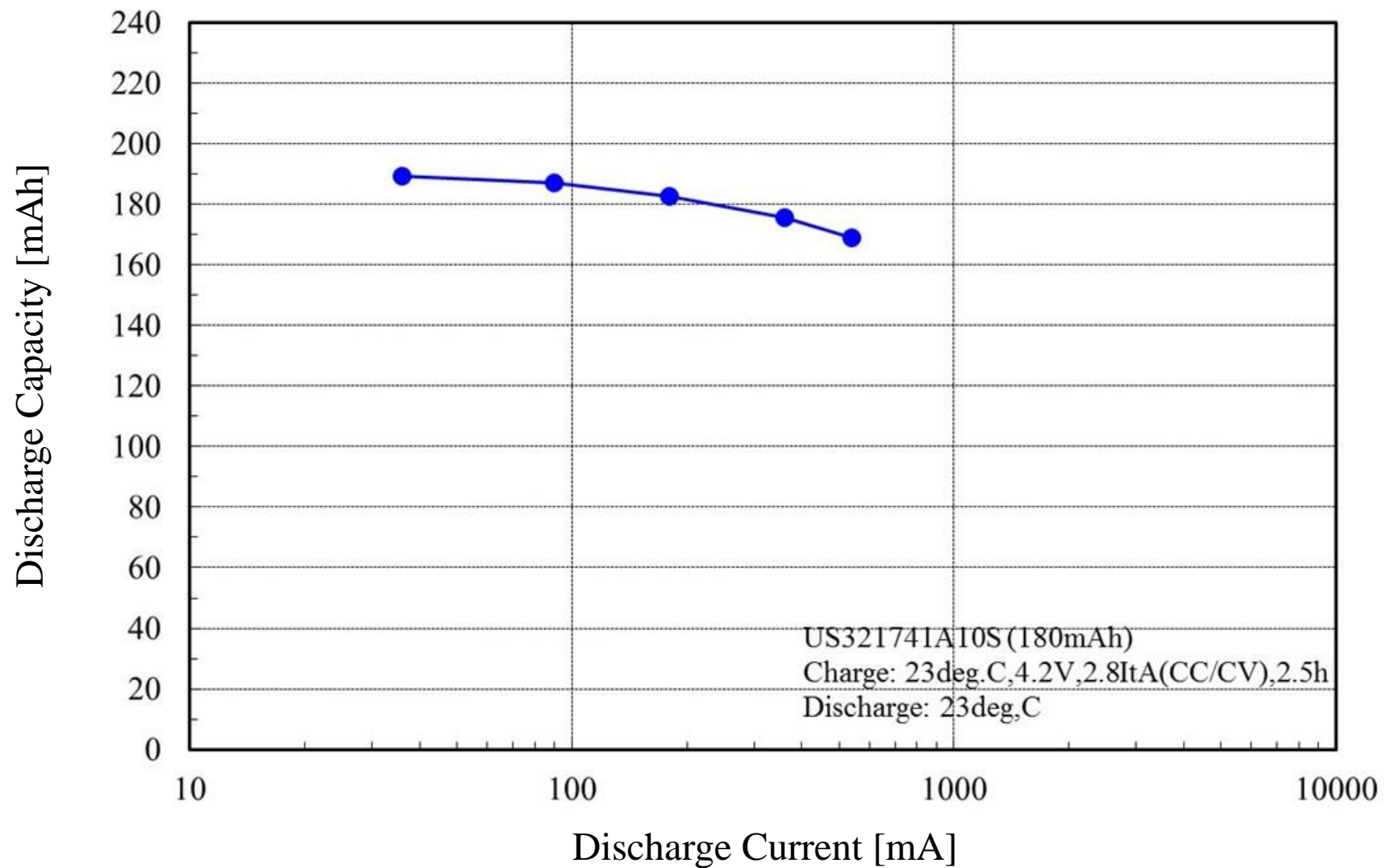
Charging Profile



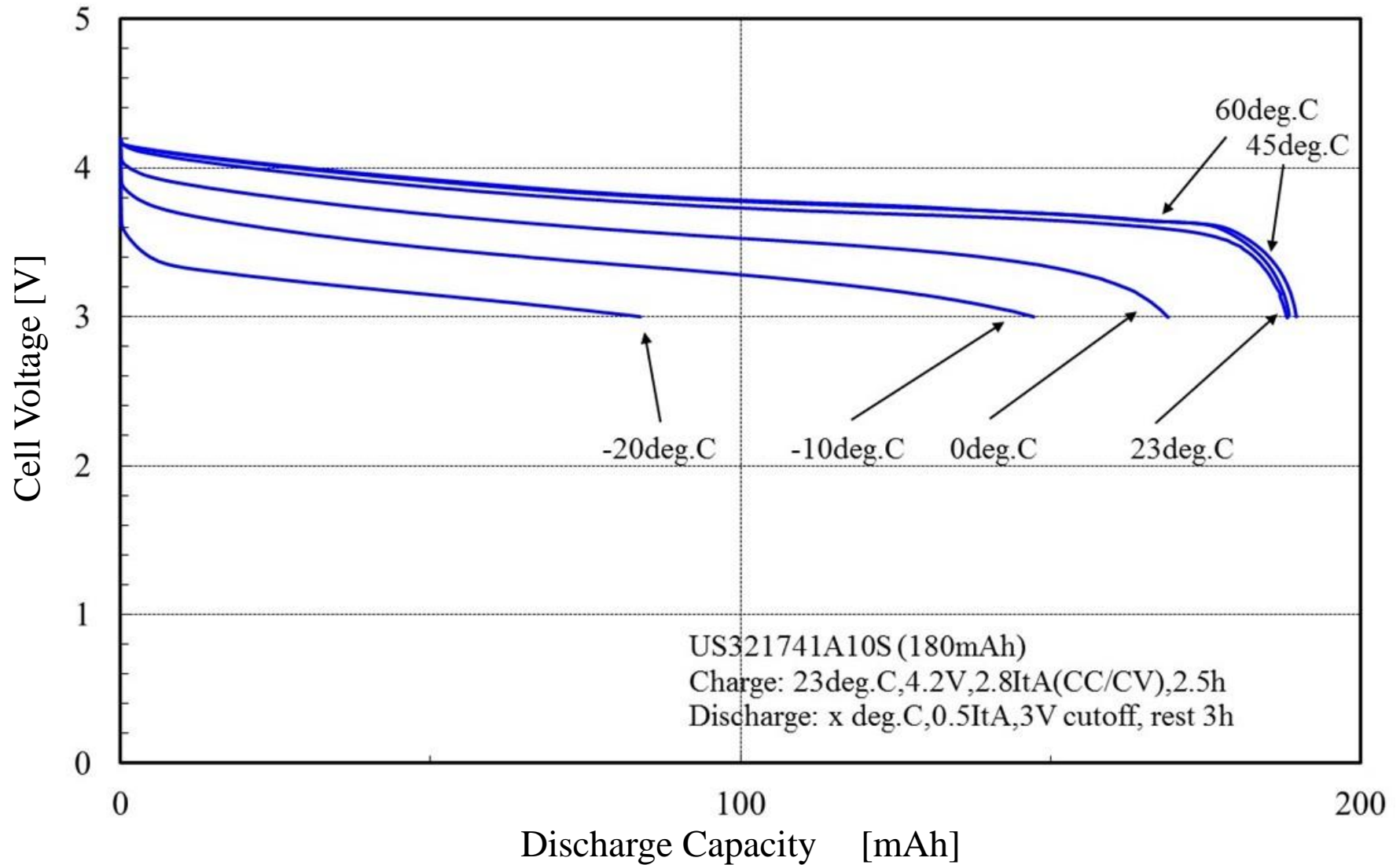
Discharging Profile



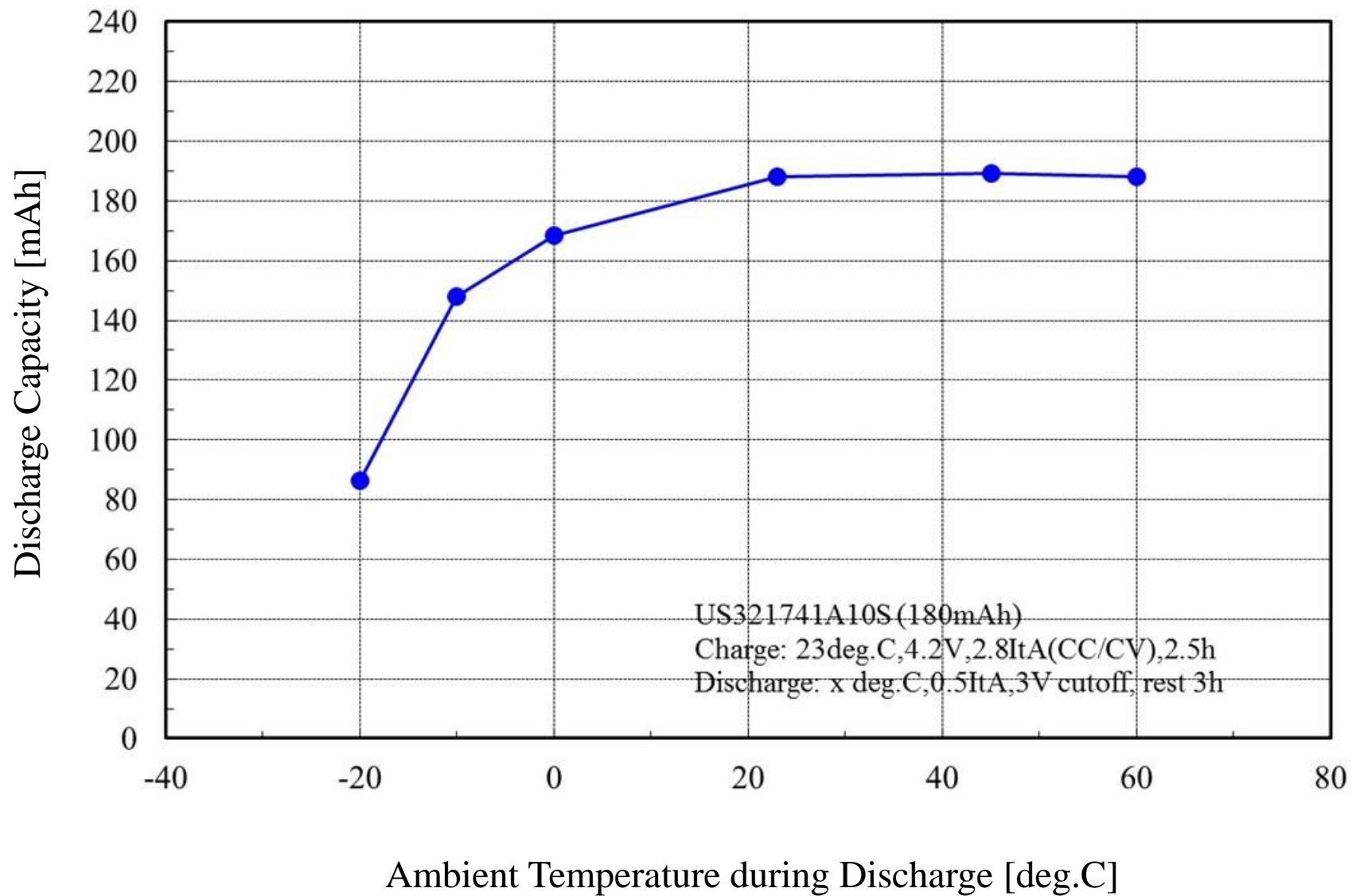
Drain Capability



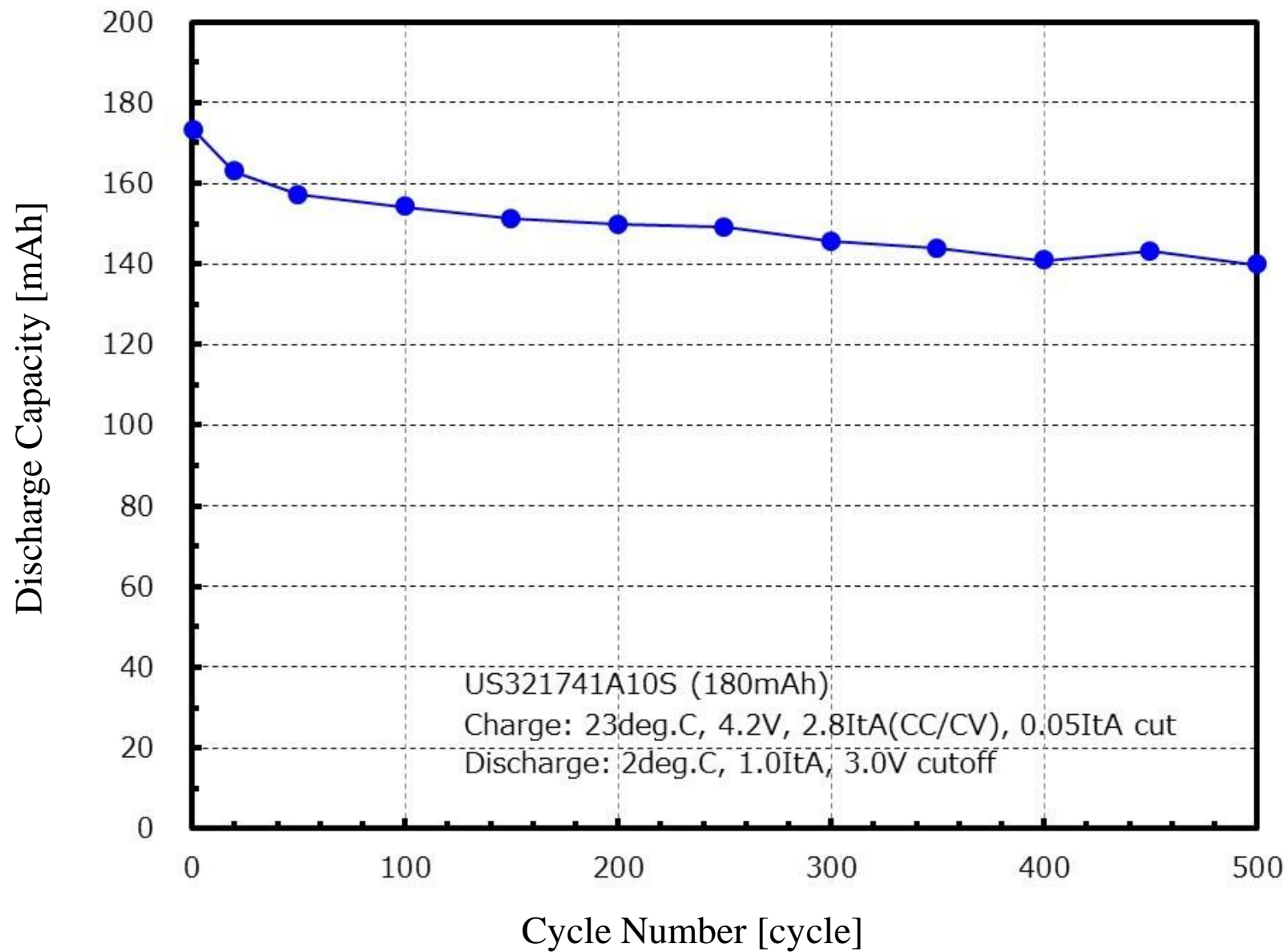
Discharging Profile



Discharge Temperature Performance



Cycle Performance



Cell Size (US321741A10S)

