

1. General

1.1 Scope

This specification applies to type
: US525354A10S Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US525354
1.2.2 Model Number : US525354A10S
1.2.3 Code : 49919440

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer
1.3.2 Size : Thickness 5.25mm max
Width 53.15mm max
Length (without tab) 54.3mm max
1.3.3 Weight : 33.8g (typical)

1.4 Reference test current

1.0ItA : 1830mA

1.5 Safety Regulation

Acquired UL1642.

2. Performance

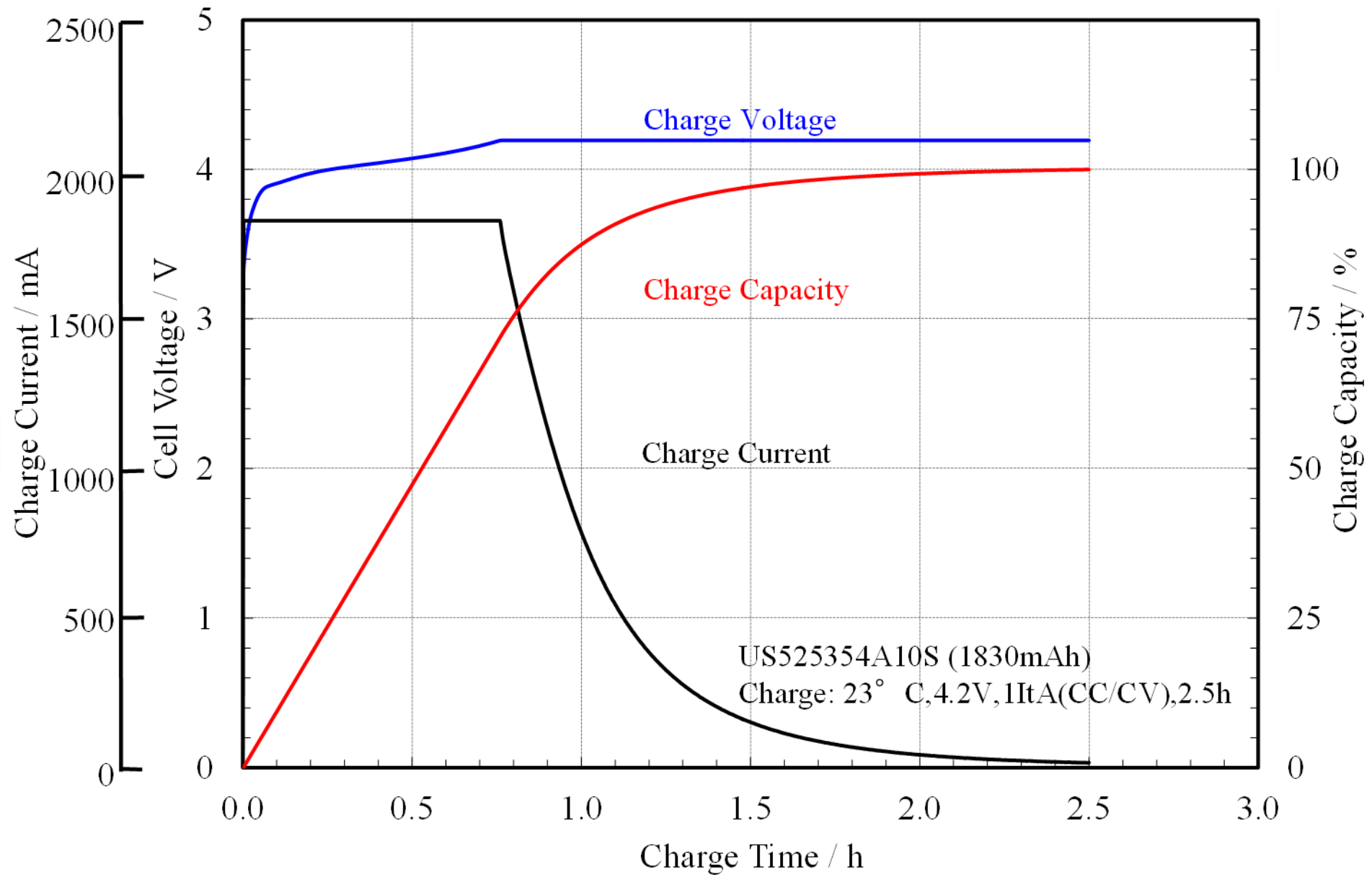
at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	1910mAh 7.07Wh	average capacity 3.70 V (average discharge voltage)
Rated Capacity (0.2ItA discharge)	1830mAh 6.77Wh	minimum capacity
Capacity at 0.5ItA	1891mAh 7.00Wh	average capacity
Capacity at 1.0ItA	1853mAh 6.86Wh	average capacity
Nominal Voltage	3.70V	
Internal Impedance	45mΩ	measured by AC1kHz
Cycle Performance	80% of initial capacity at 500 cycles	0.5ItA discharge rate

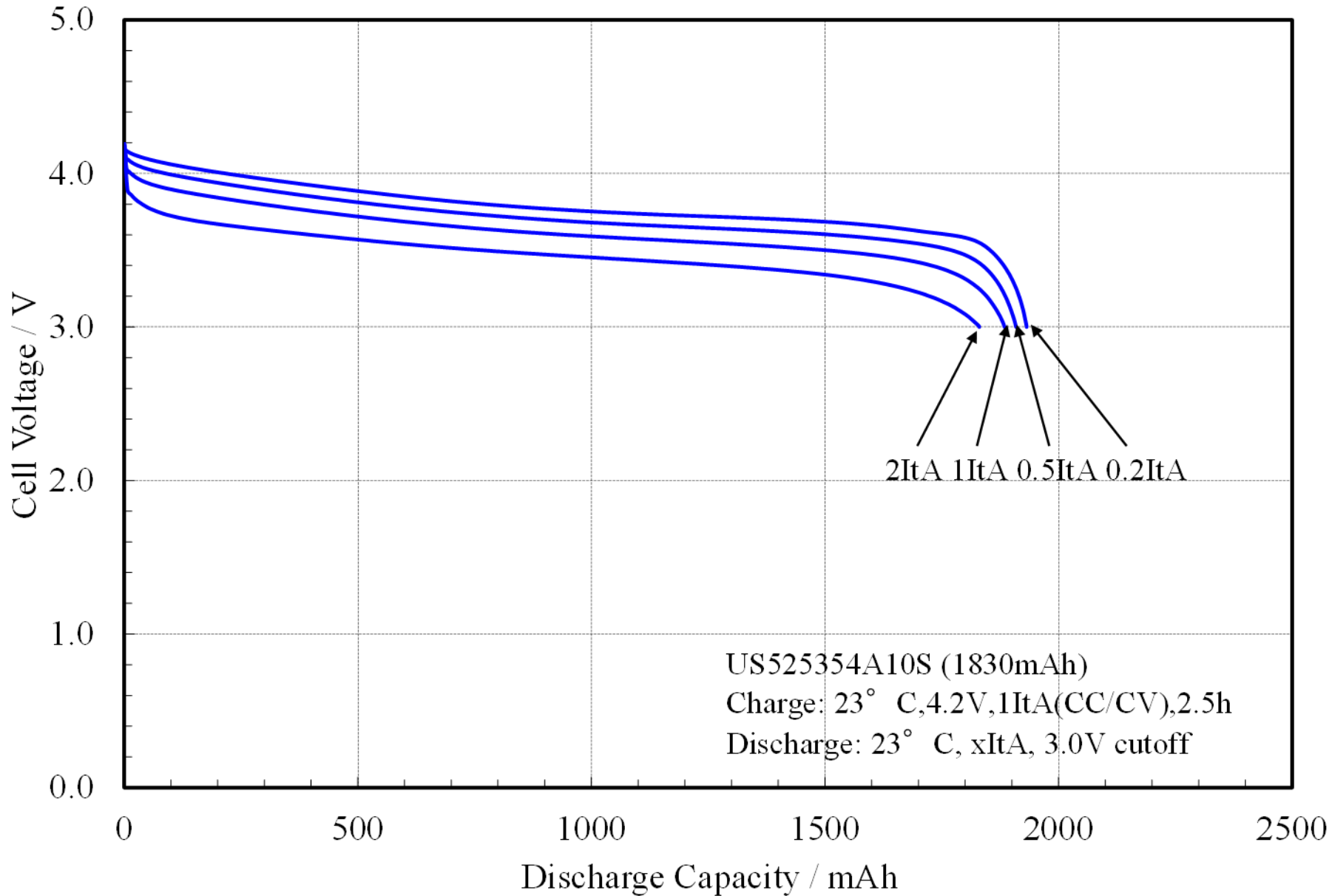
* Standard Charge Condition

Charge Method : constant current constant voltage
Charge Up Voltage : 4.2 V ± 0.05V
Charge Current : 1.83A
Charge Time : 2.5hours charge
Ambiance Temperature : 23°C

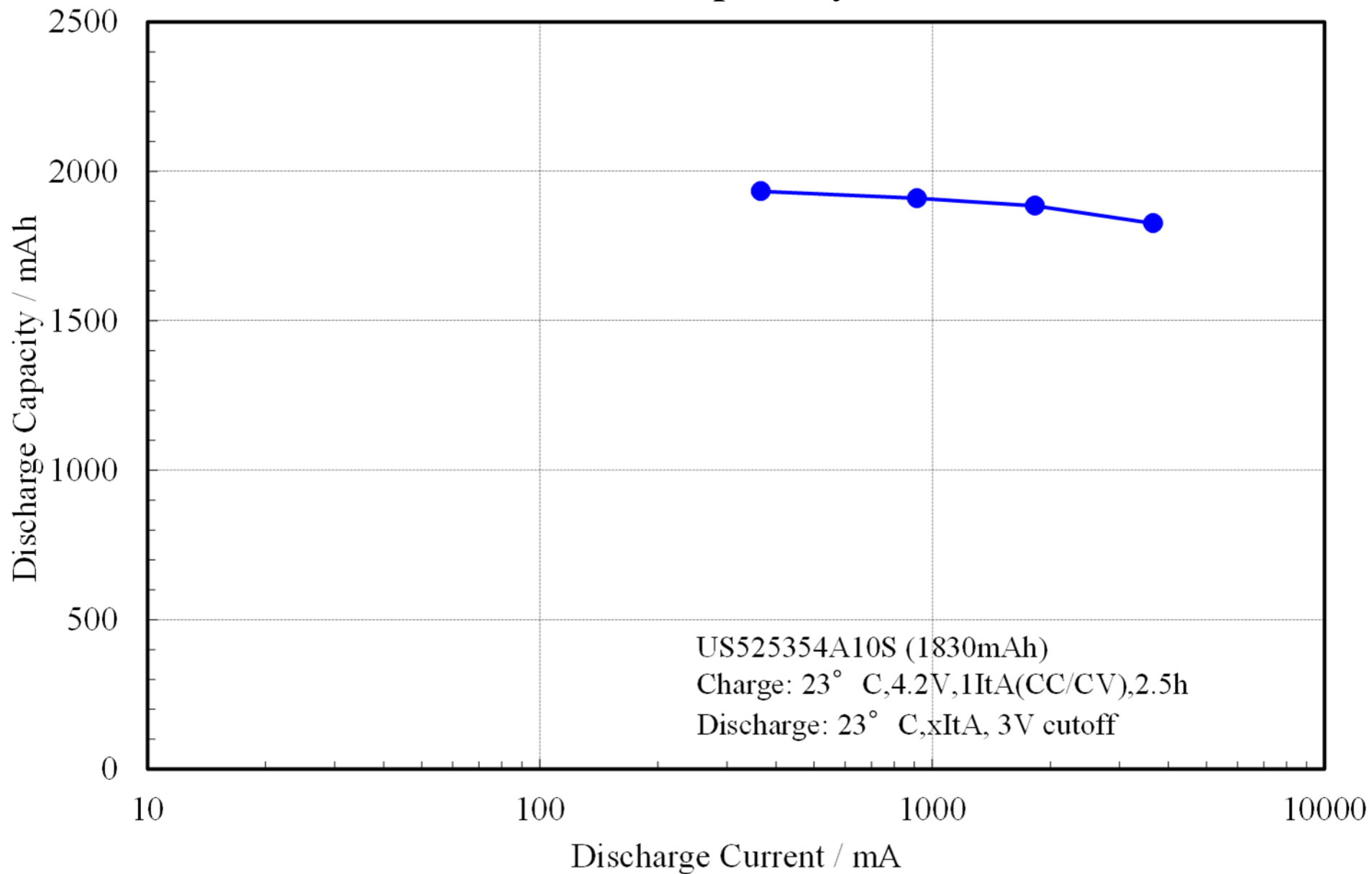
Charging Profile



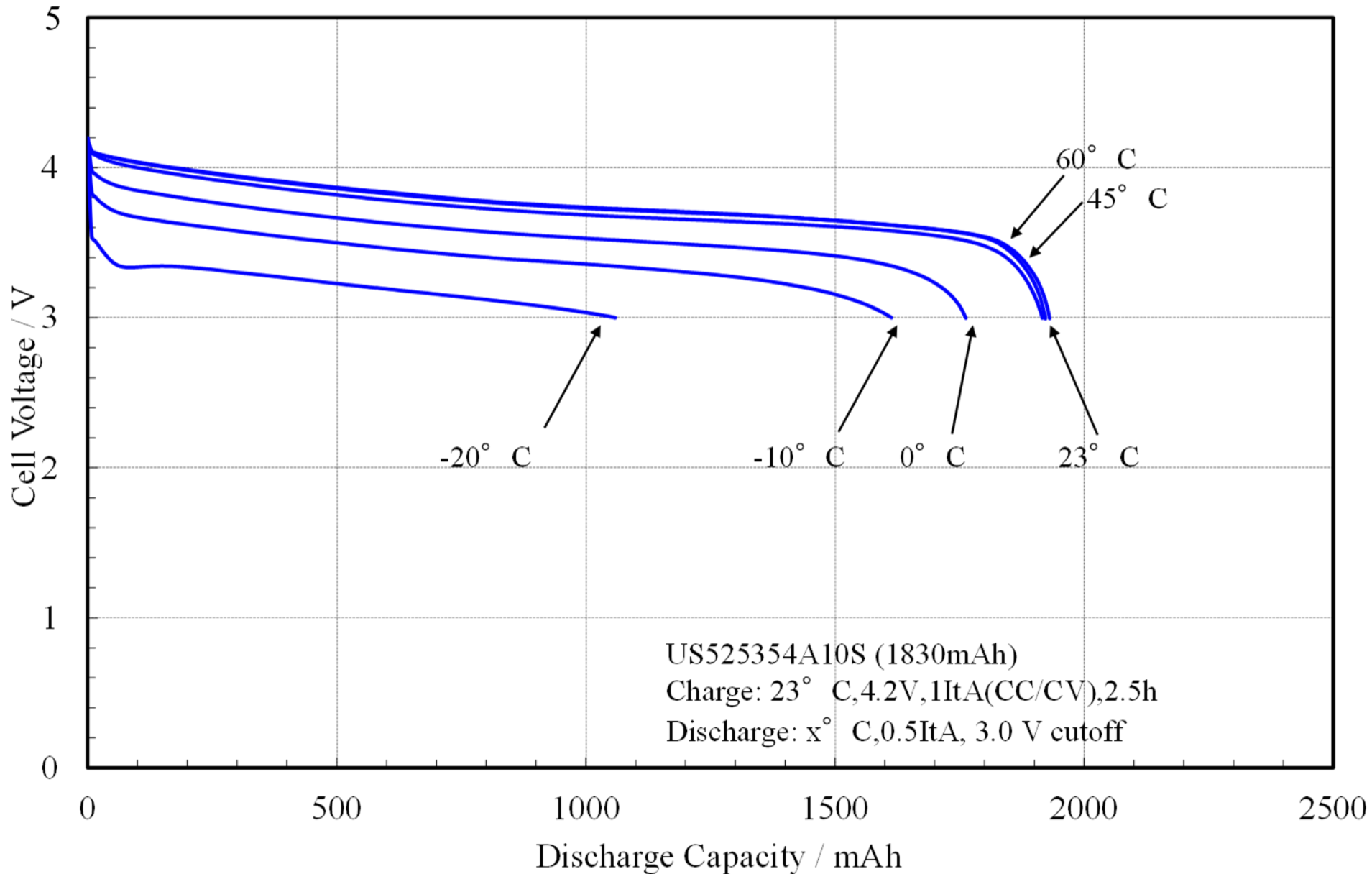
Discharging Profile



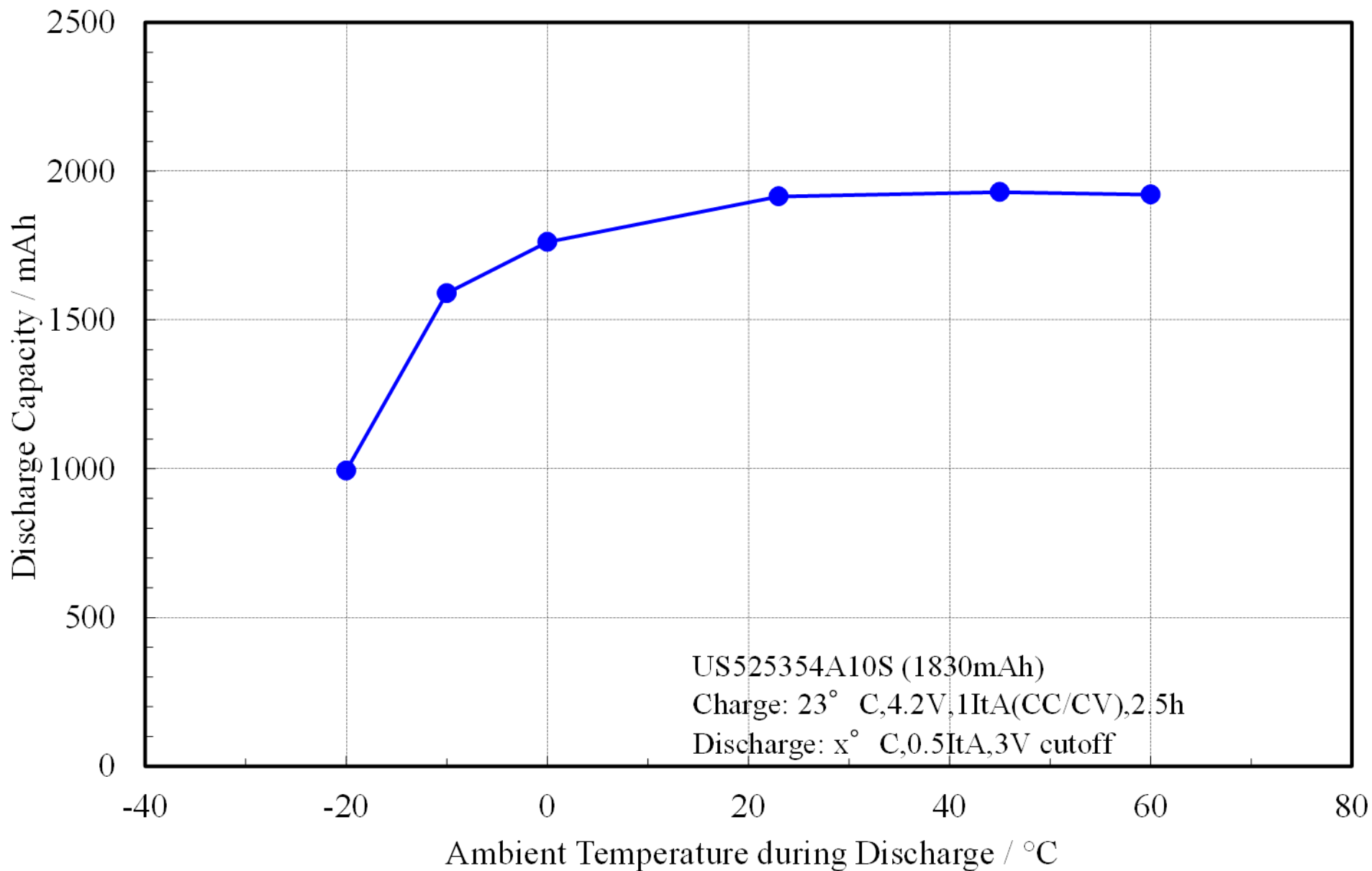
Drain Capability



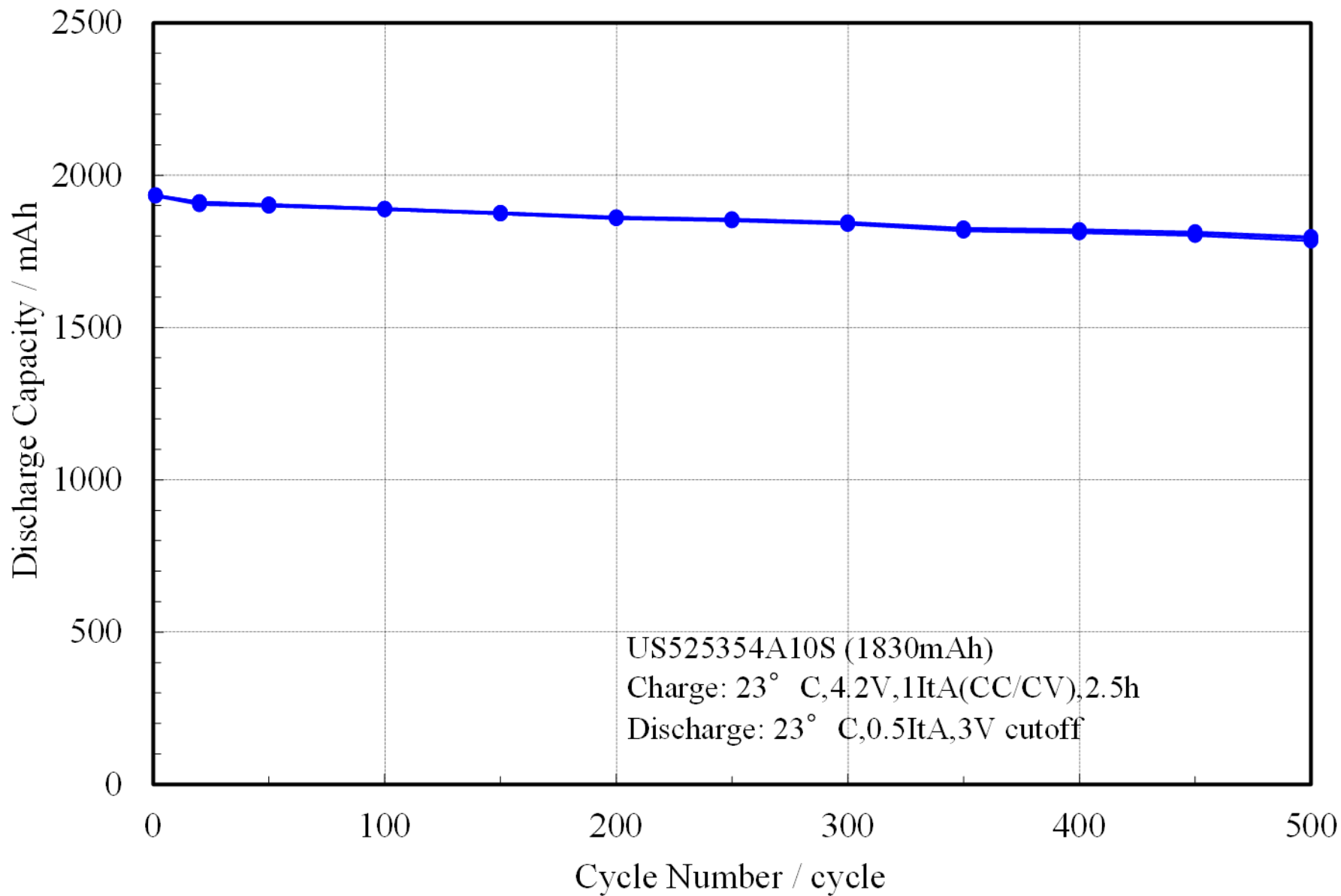
Discharging Profile



Discharging Temperature Performance



Cycle Performance



Cell Size (US525354A10S)

