

1. General

1.1 Scope

This specification applies to type

: US533144N2S Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US533144N

1.2.2 Model Number : US533144N2S

1.2.3 Code : 49916390

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer

1.3.2 Size : Thickness 5.30mm max
Width 30.2mm max
Length (without tab) 43.9mm max

1.3.3 Weight : 14.7 g (typical)

1.4 Reference test current

1.0 ItA : 880 mA

1.5 Safety Regulation

Acquired UL1642.

2. Performance

at room temperature, 2.5V cut off

Nominal Capacity (0.2ItA discharge)	925mAh 3.35Wh	average capacity 3.60 V (average discharge voltage)
Rated Capacity (0.2ItA discharge)	880mAh 3.19Wh	minimum capacity
Capacity at 0.5ItA	836mAh 2.98Wh	average capacity
Capacity at 1.0ItA	774mAh 2.70Wh	average capacity
Nominal Voltage	3.60V	
Internal Impedance	78mΩ	measured by AC1kHz
Cycle Performance	75% of minimum capacity at 300 cycles	0.5ItA discharge rate

* Standard Charge Condition

Charge Method : constant current / constant voltage

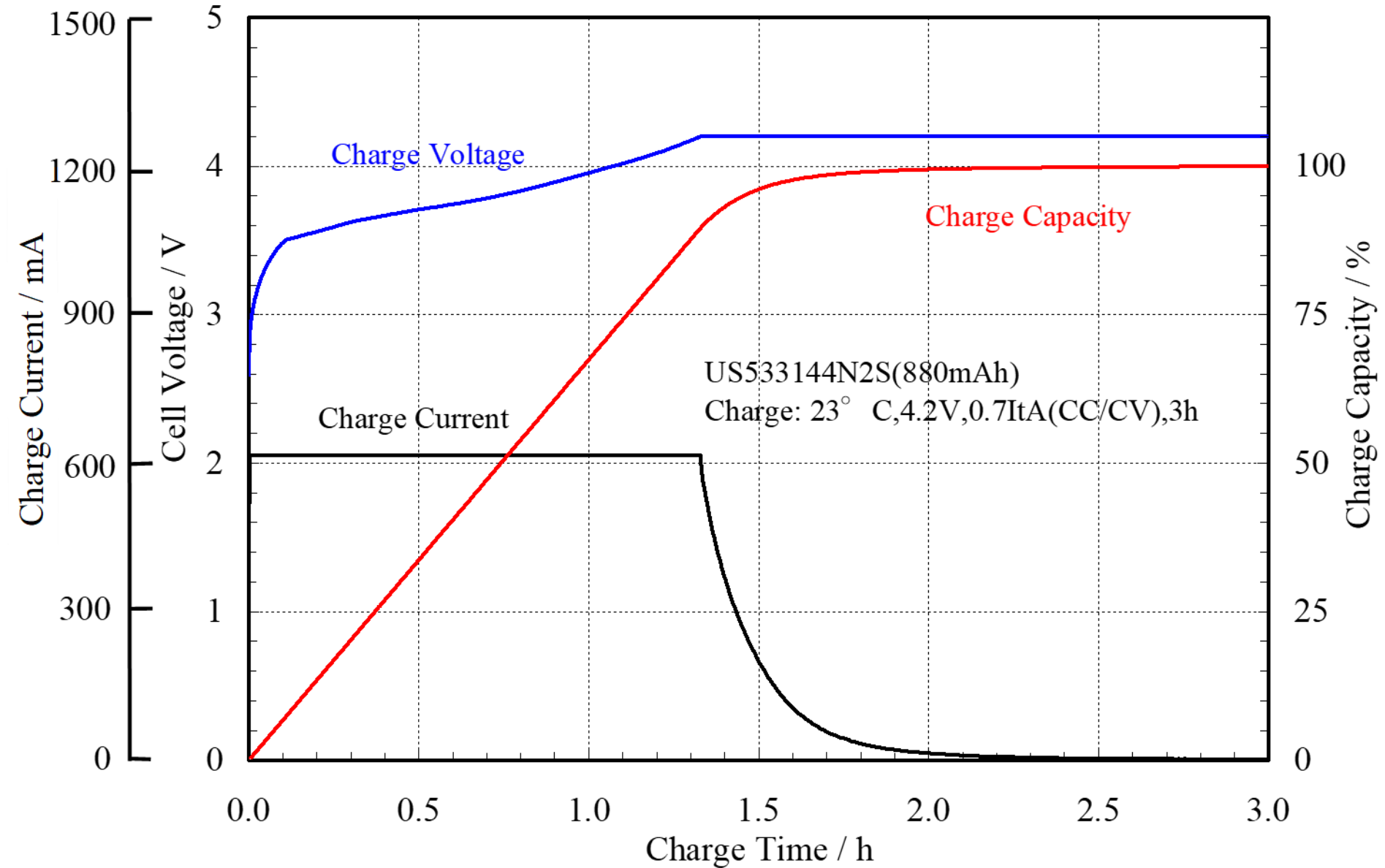
Charge Up Voltage : 4.2 V ± 0.05V

Charge Current : 0.616A

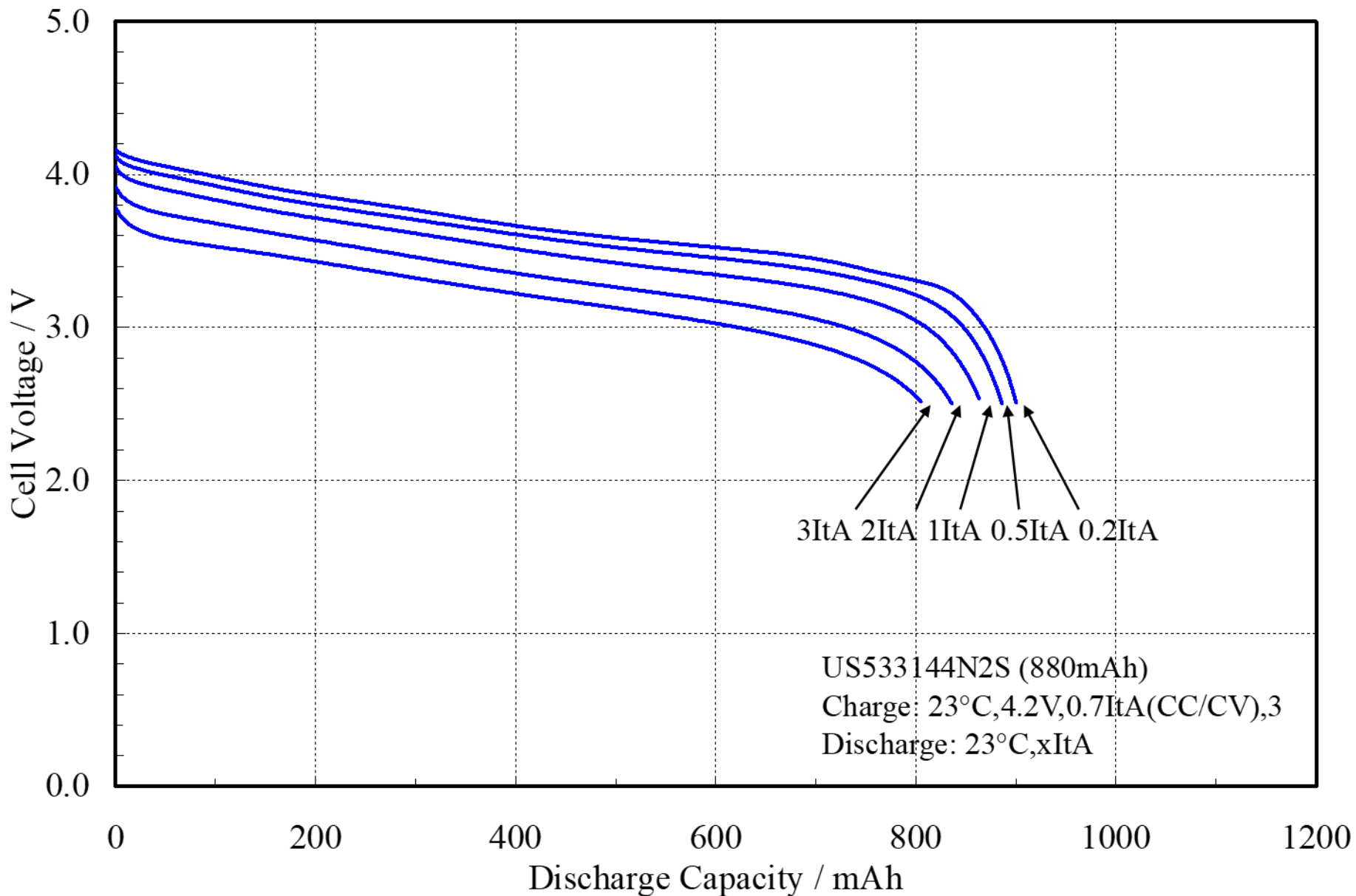
Charge Time : 3.0hours

Ambiance Temperature : 23°C

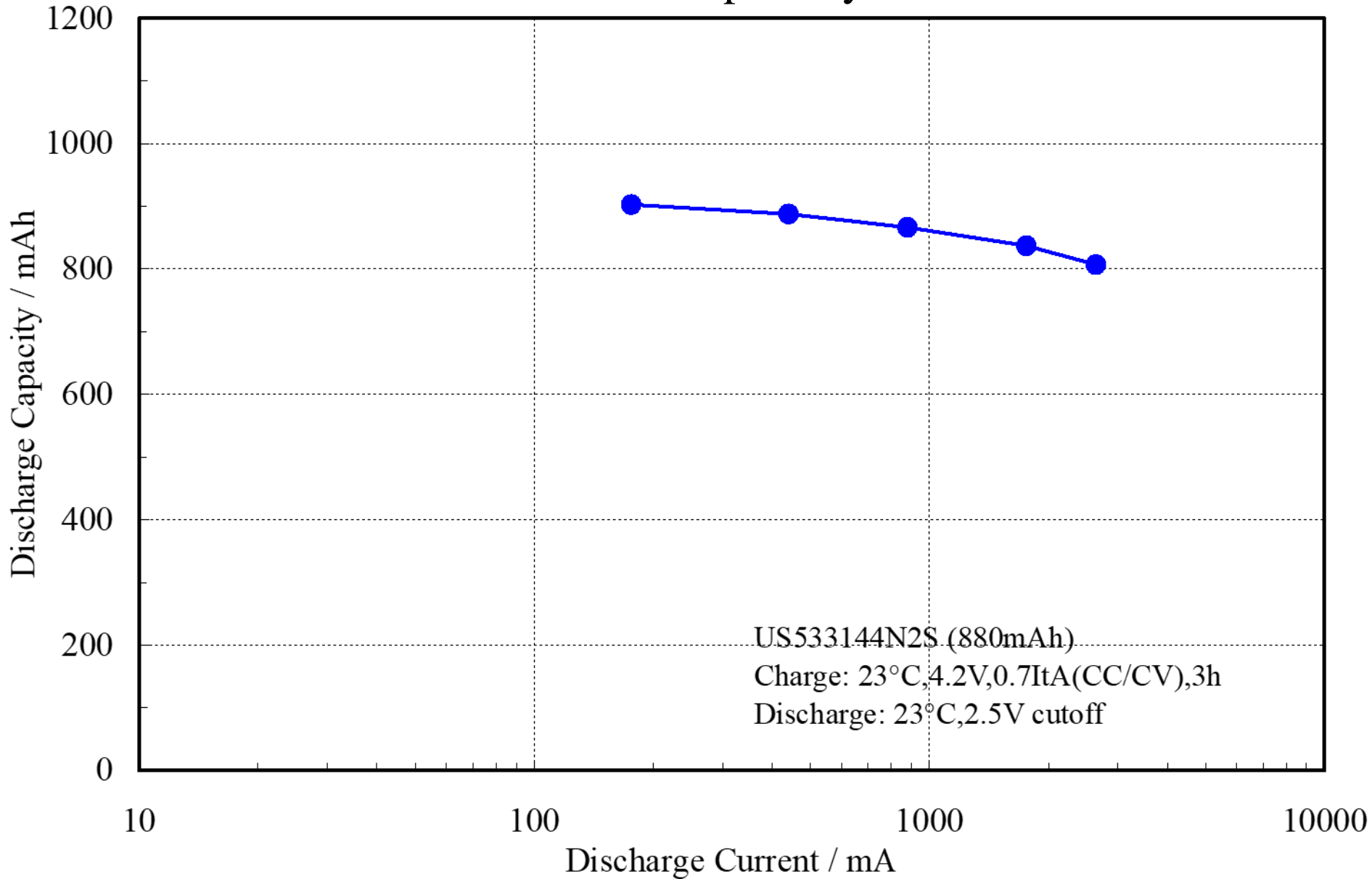
Charging Profile



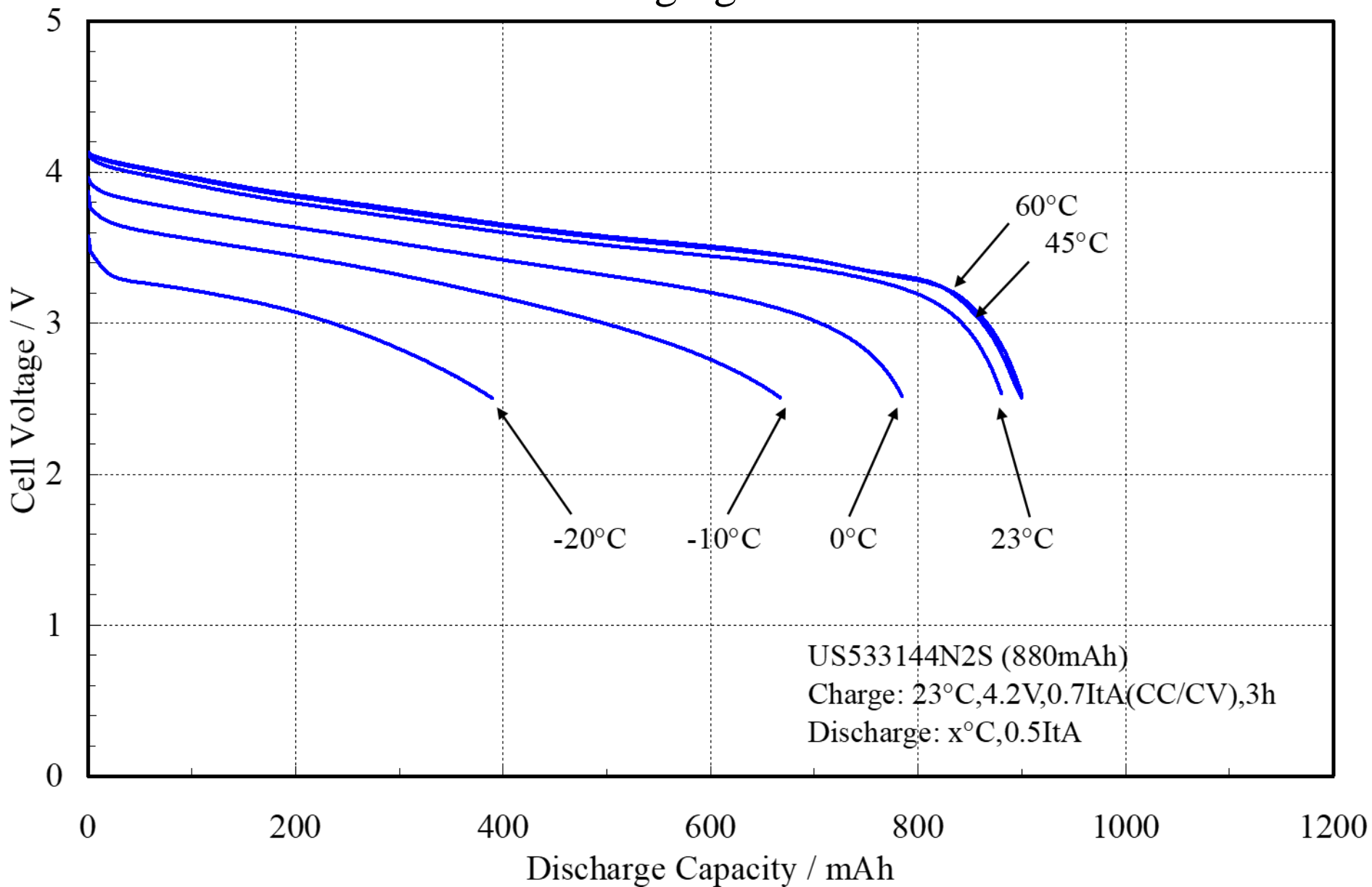
Discharging Profile



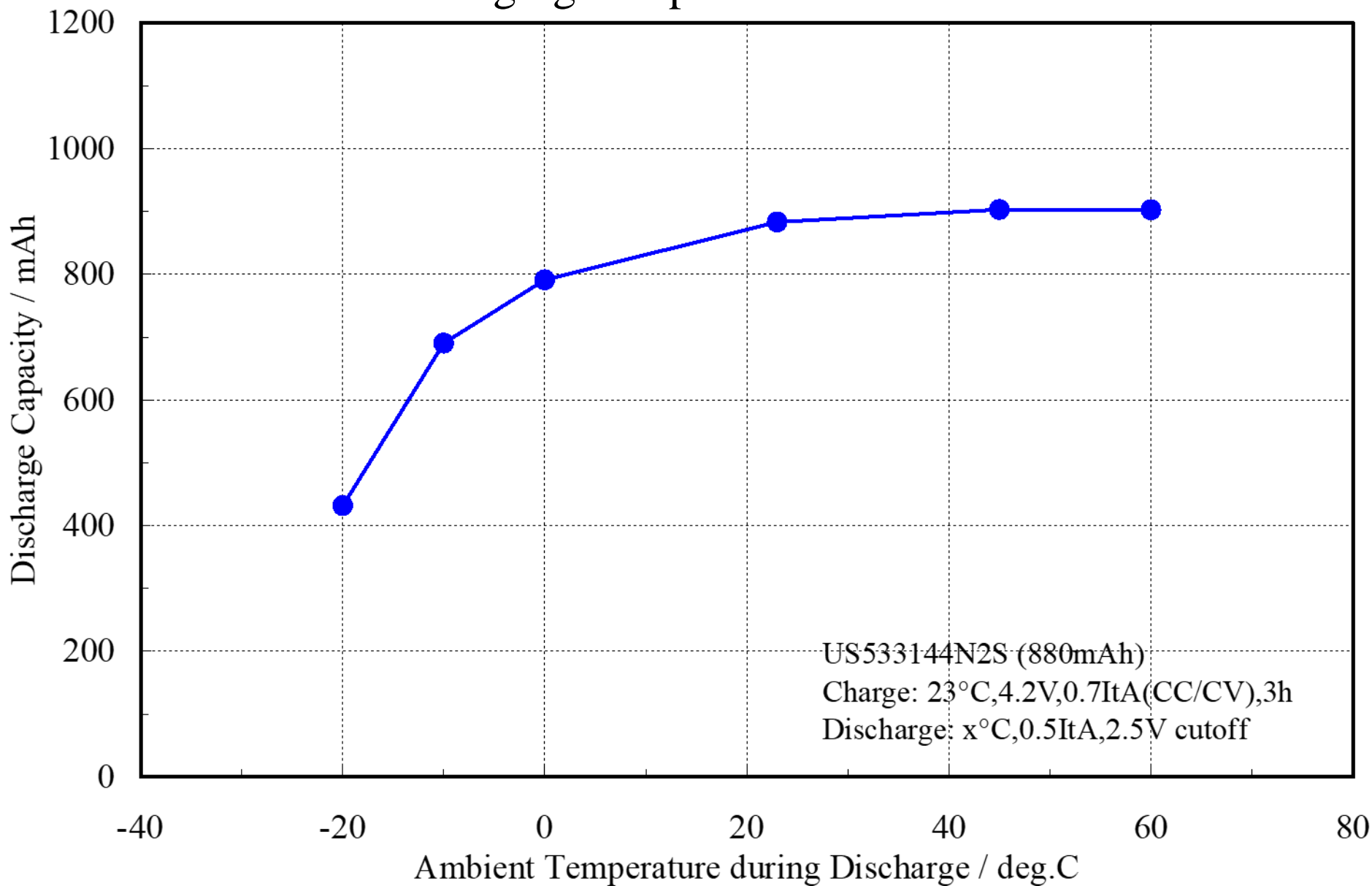
Drain Capability



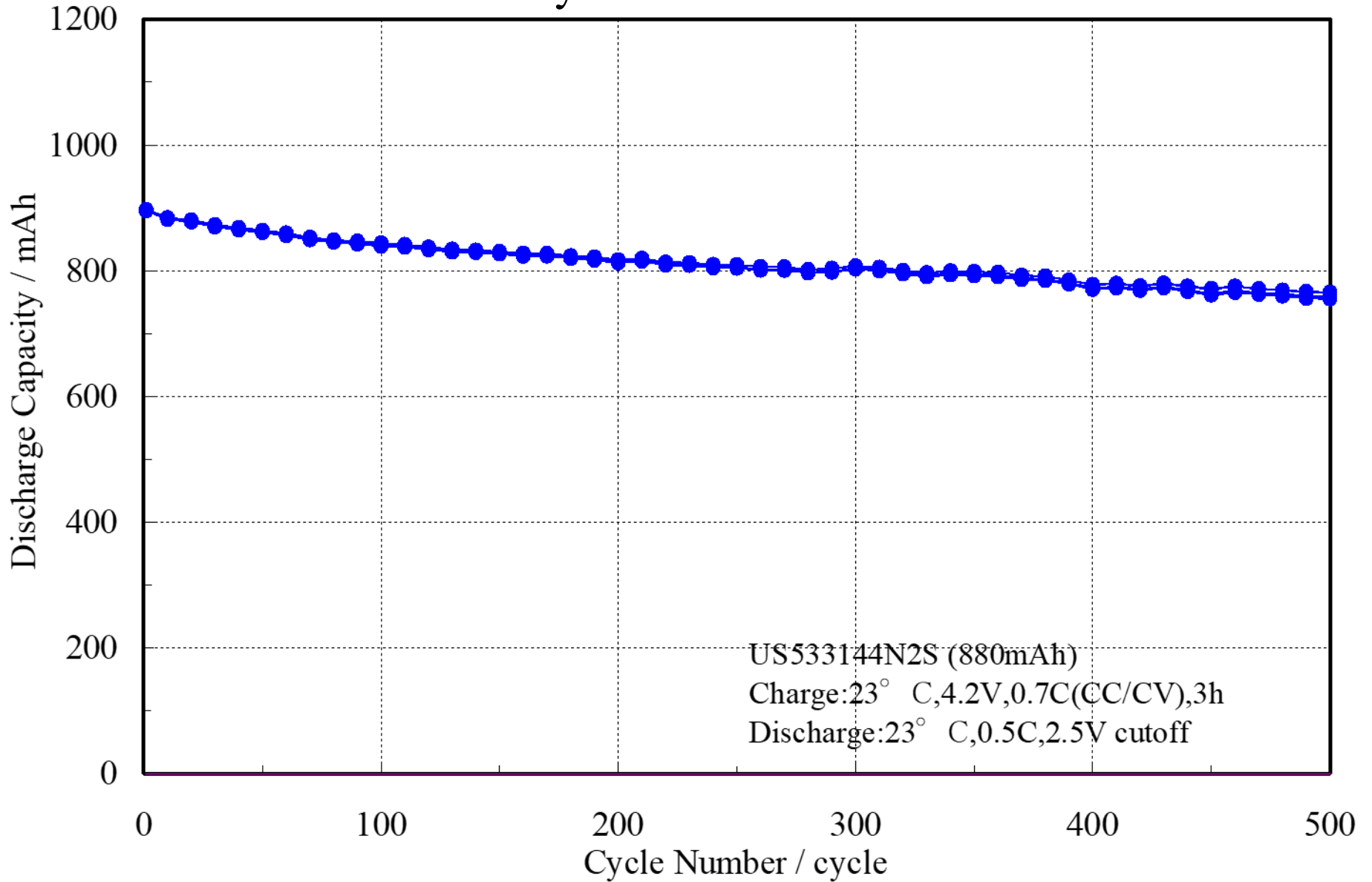
Discharging Profile



Discharging Temperature Performance



Cycle Performance



Cell Size (US533144N2S)

