

1. General

1.1 Scope

This specification applies to type

: US496178H5 Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US496178H5

1.2.2 Model Number : US496178H5

1.2.3 Code : 49940260

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer

1.3.2 Size : Thickness 4.83 mm max
Width 60.9 mm max
Length(without Tab) 77.85 mm max

1.3.3 Weight : 55.6 g (typical)

1.4 Reference test current

1.0 ItA: 3400 mA

1.5 Safety Regulation

Murata acquired UL1642

2. Performance

at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	3500mAh	average capacity 3.81 V (average discharge voltage)
	13.35 Wh	
Rated Capacity (0.2ItA discharge)	3400mAh	minimum capacity
	12.92 Wh	
Capacity at 0.5ItA	3388mAh	average capacity
	12.61 Wh	
Capacity at 1.0ItA	3375mAh	average capacity
	12.19 Wh	
Nominal Voltage	3.8 V	
Internal Impedance	35 mΩ	measured by AC1 kHz
Cycle Performance	80% of Initial capacity at 500 cycles	0.7 ItA discharge rate

*Standard Charge Condition

Charge Method : constant current / constant voltage

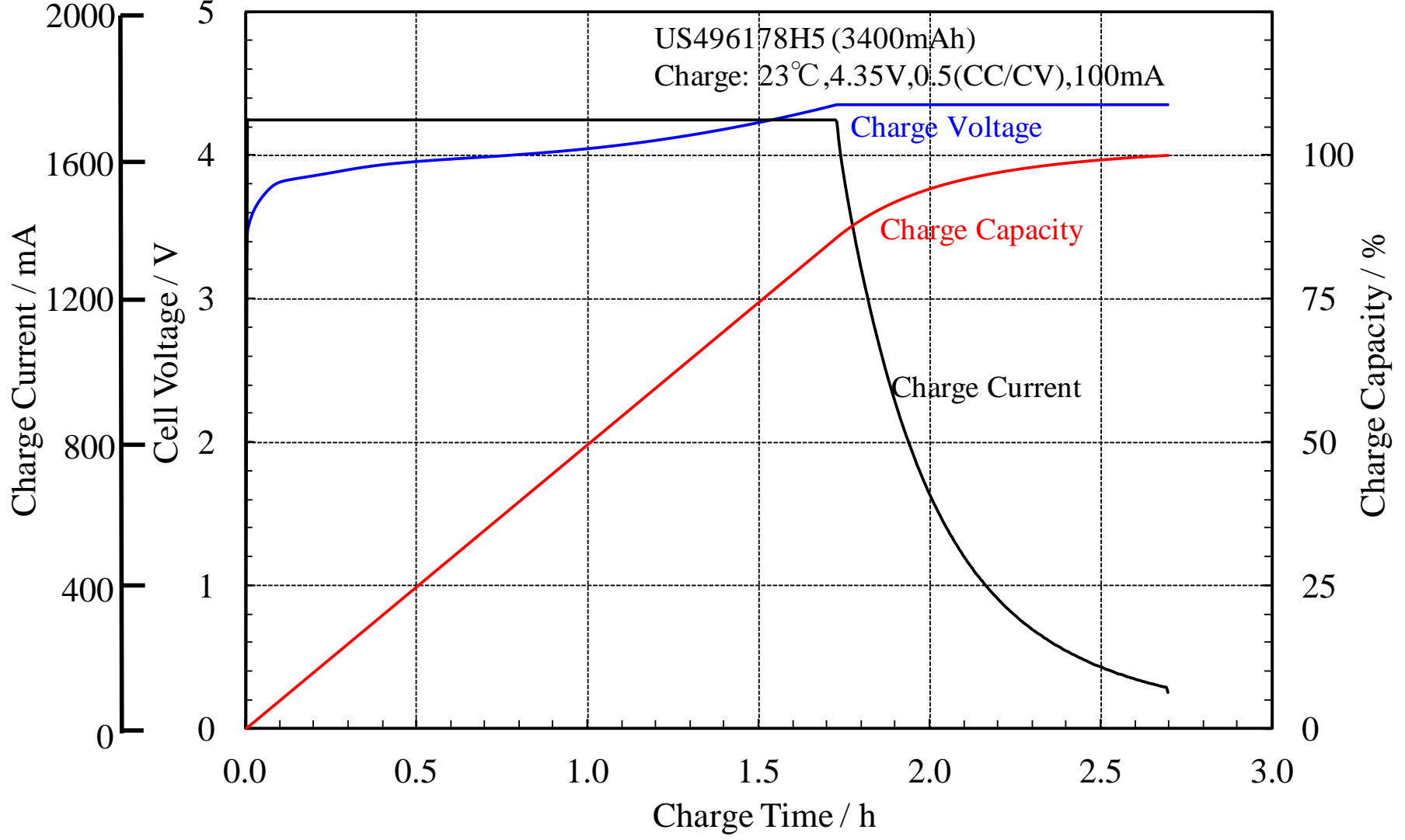
Charge Up Voltage : 4.35 ± 0.05 V

Charge Current : 1.7 A

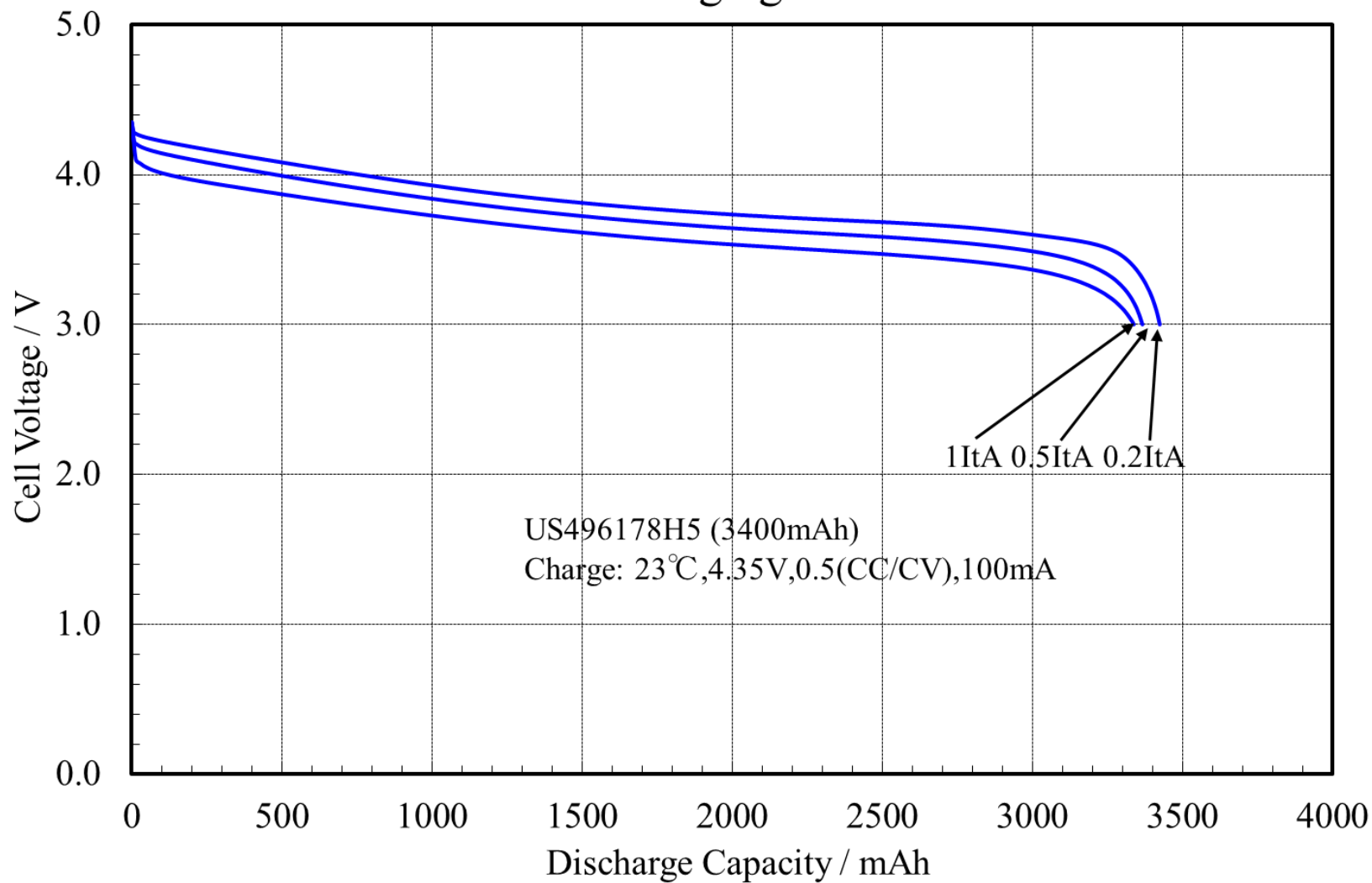
Charge Time : 3.5 h

Ambiance Temperature : 23 °C

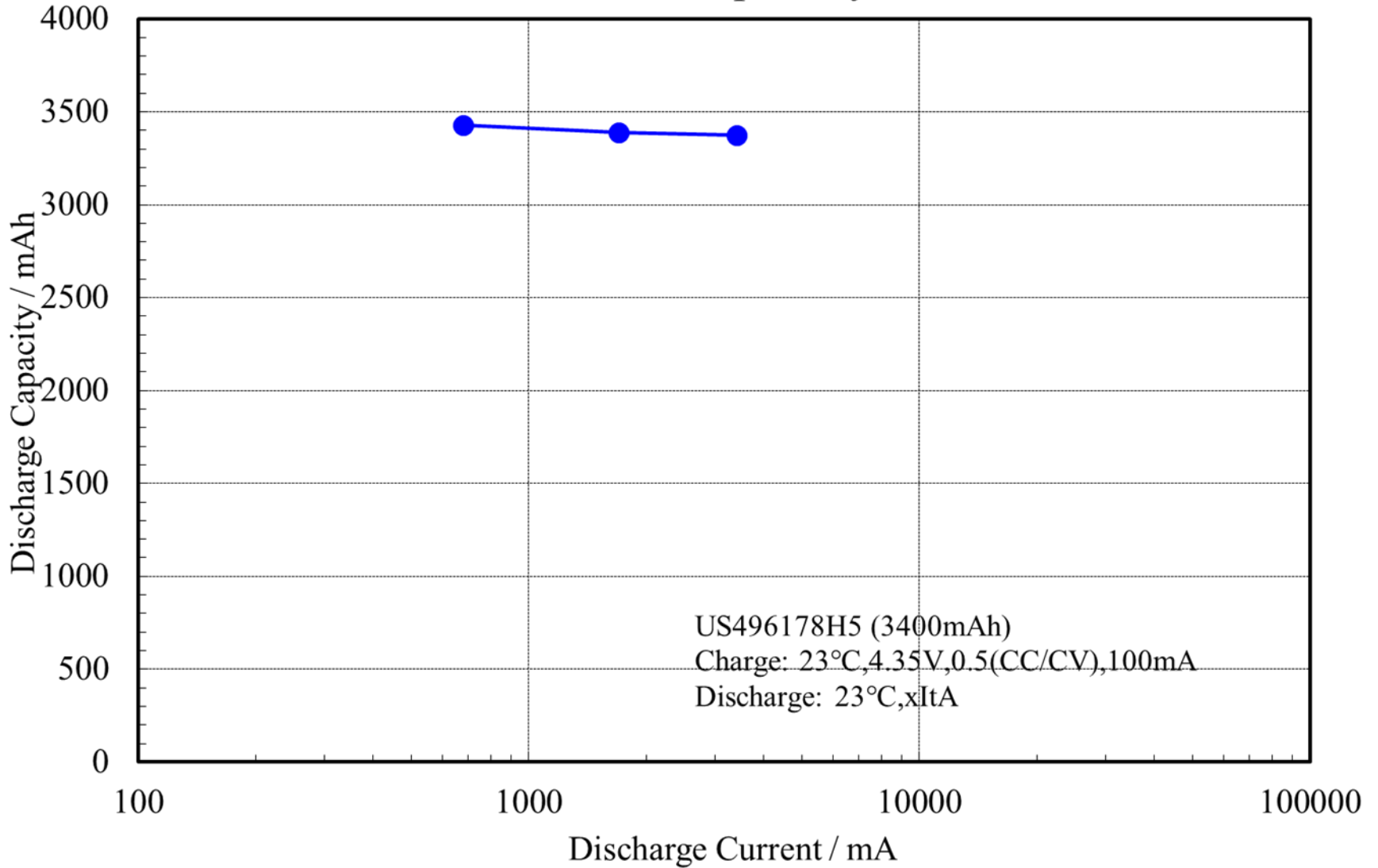
Charging Profile



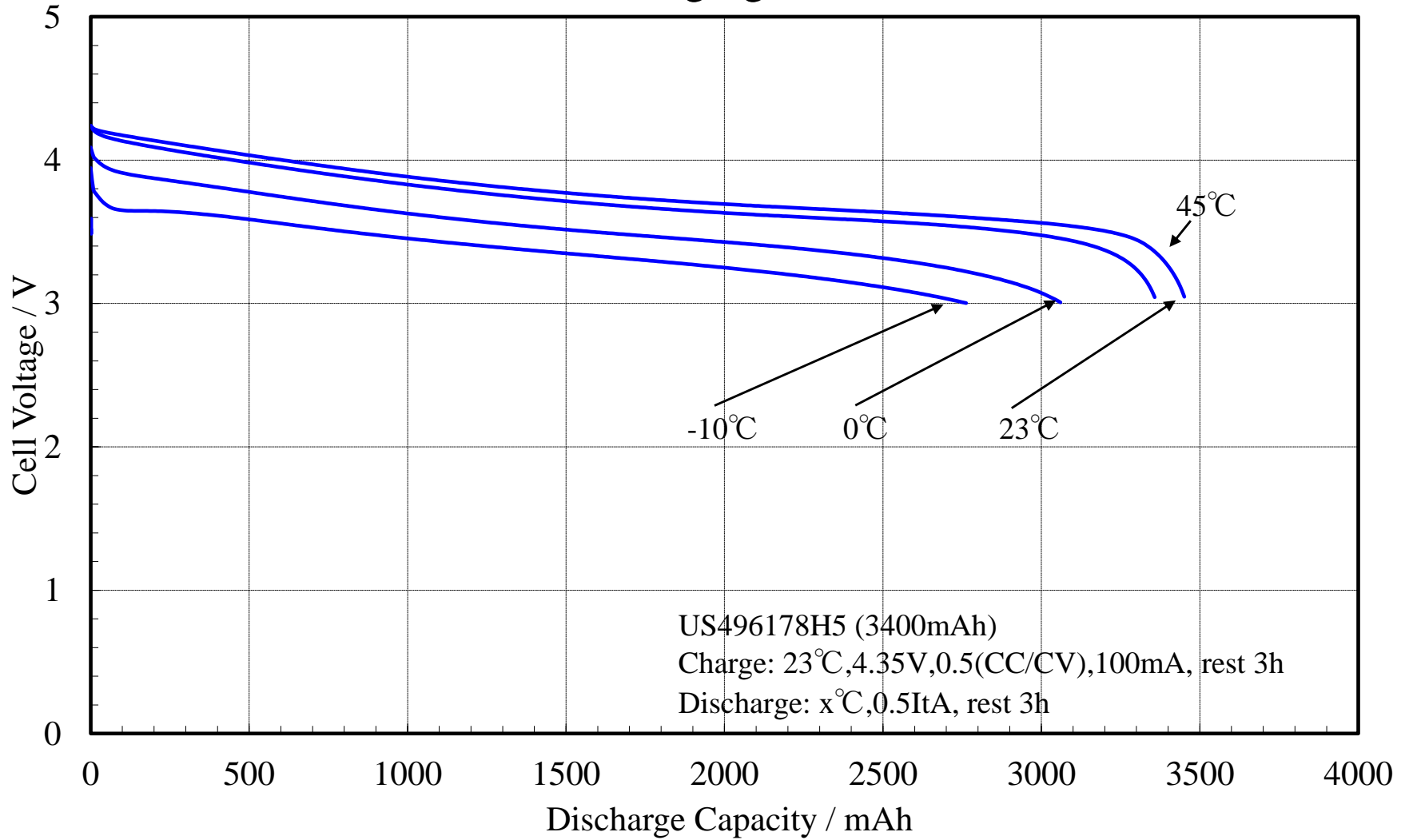
Discharging Profile



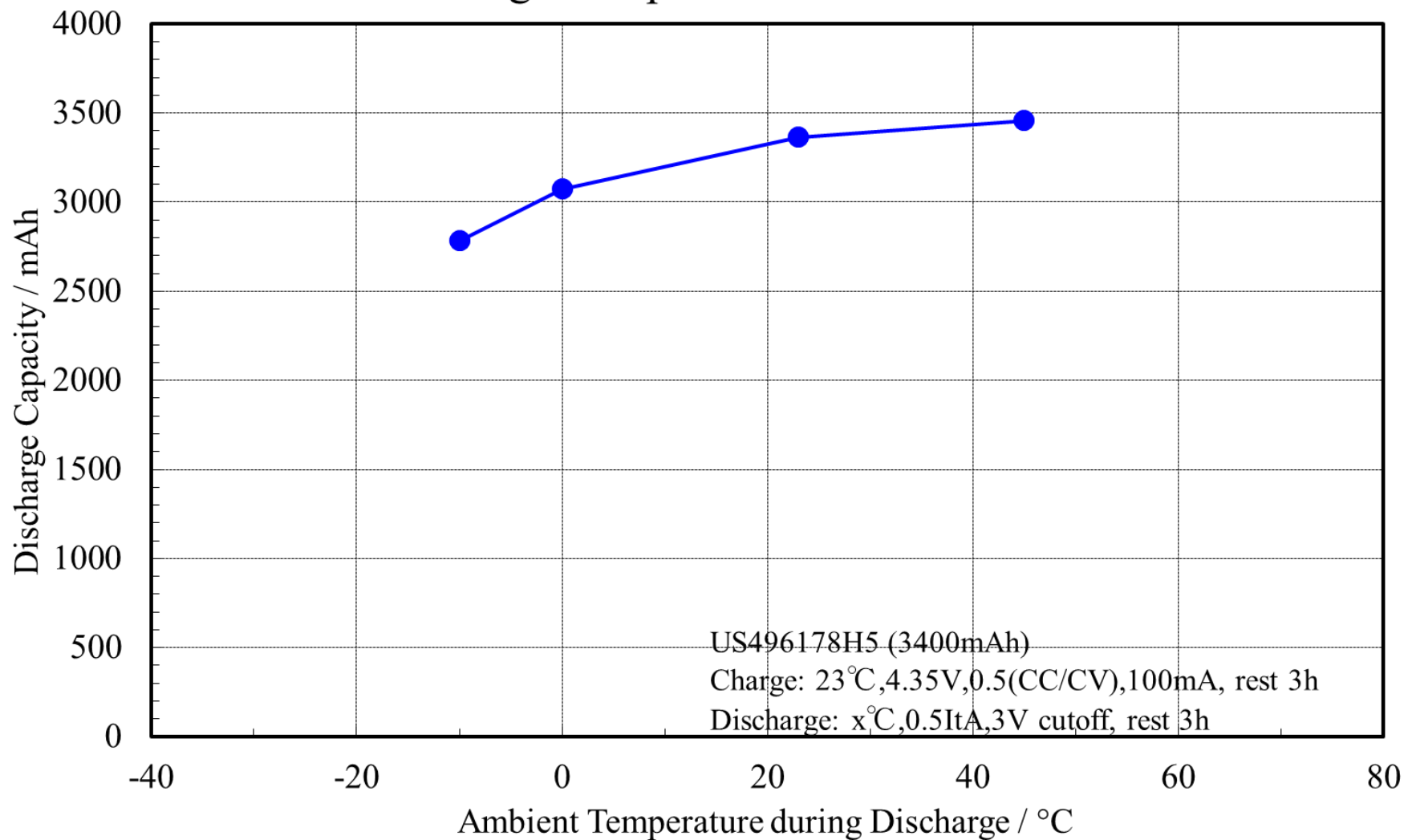
Drain Capability



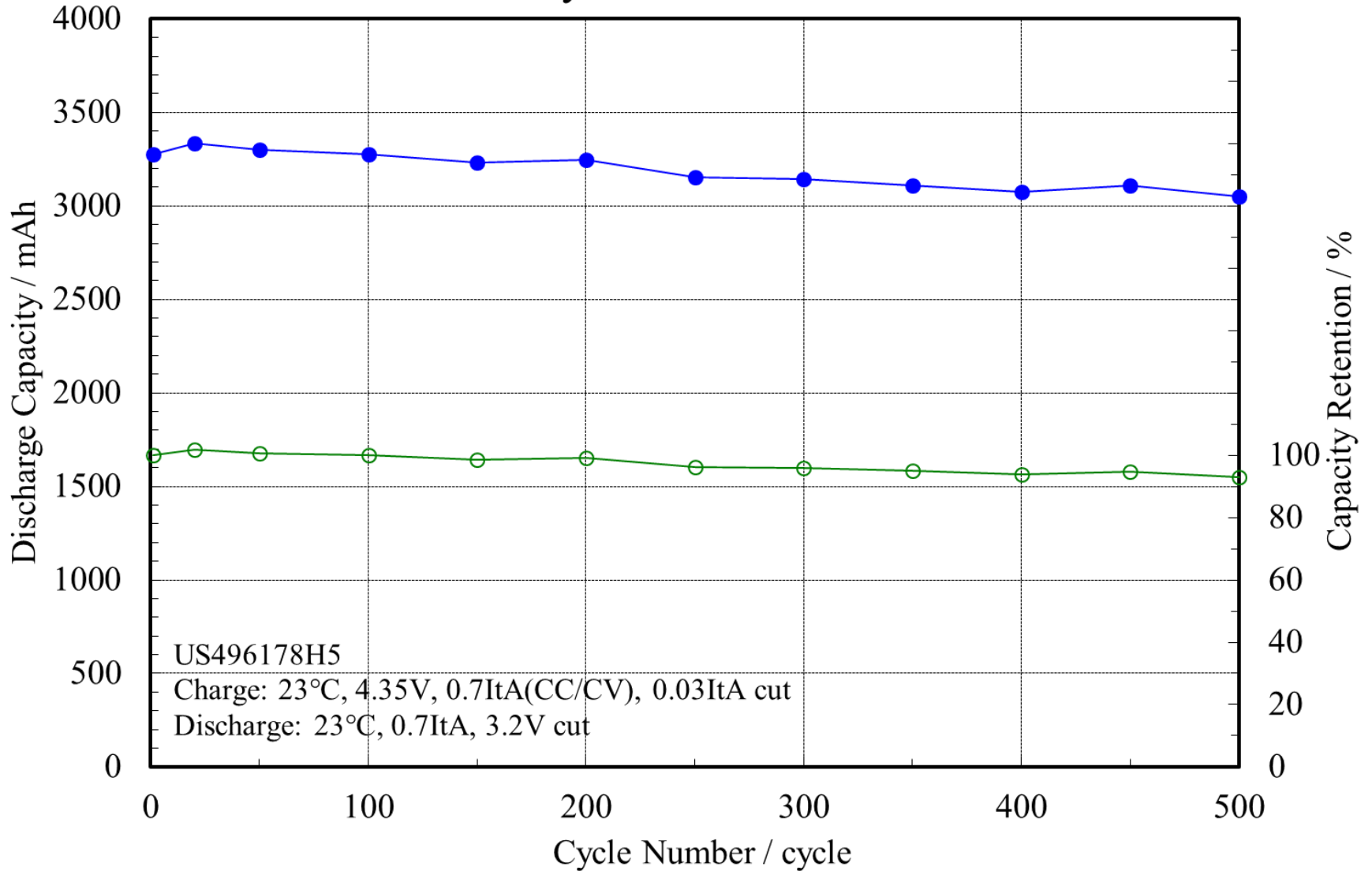
Discharging Profile



Discharge Temperature Performance



Cycle Performance



Cell Size (US496178H5)

