

1. General

1.1 Scope

This specification applies to type
: US666588 Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US666588
1.2.2 Model Number : US666588K6S
1.2.3 Code : 49942791

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer
1.3.2 Size : Thickness 6.55mm max
Width 65.0mm max
Length (without tab) 88.0mm max
1.3.3 Weight : 88.4 g (typical)

1.4 Reference test current

1.0ItA : 4800mA

1.5 Safety Regulation

Acquired UL1642.

2. Performance

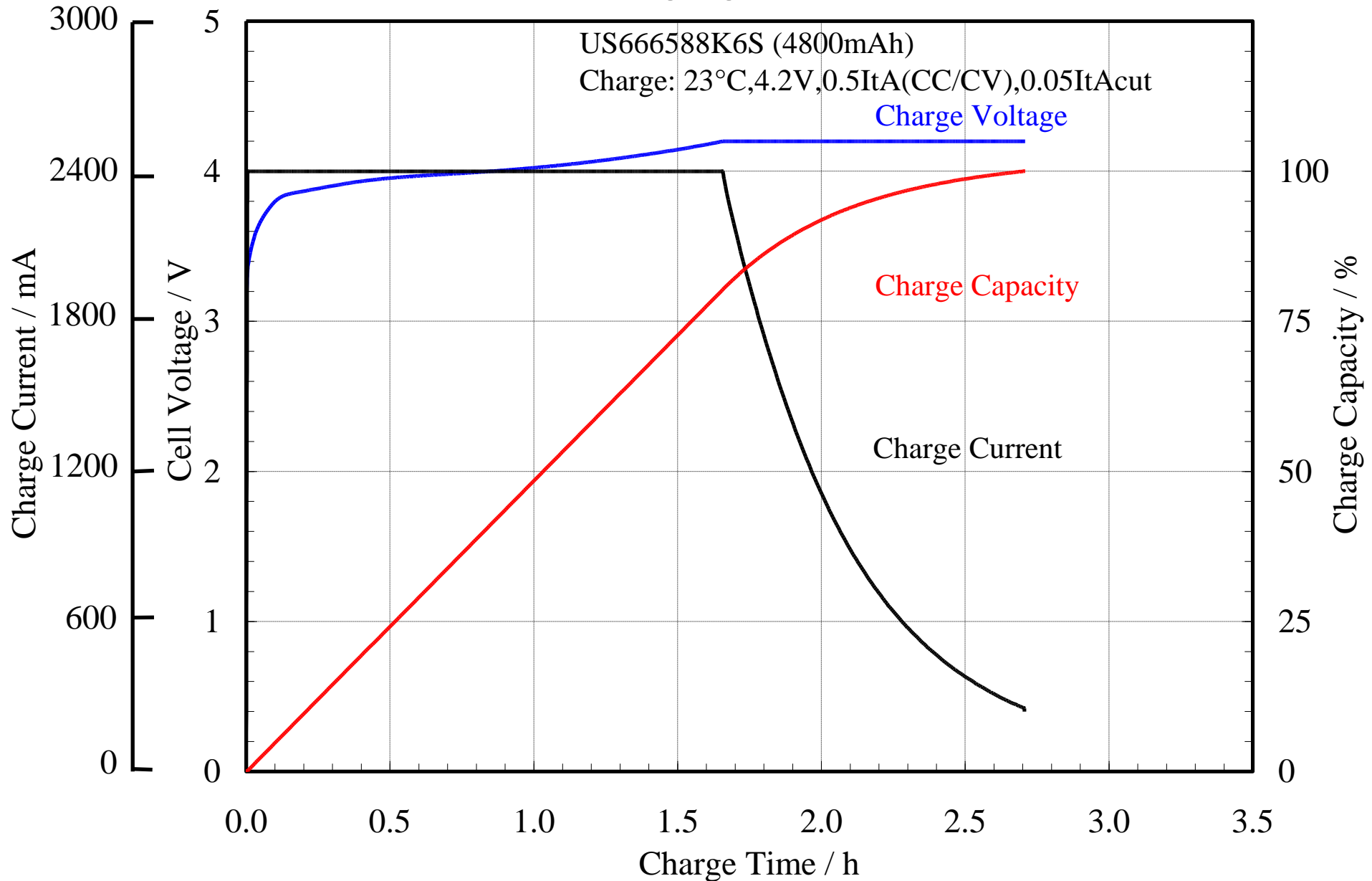
at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	5000mAh 18.75Wh	average capacity 3.75 V (average discharge voltage)
Rated Capacity (0.2ItA discharge)	4800mAh 18.00Wh	minimum capacity
Capacity at 0.5ItA	4900mAh 17.89Wh	average capacity
Capacity at 1.0ItA	4770mAh 16.70Wh	average capacity
Nominal Voltage	3.70V	
Internal Impedance	35mΩ	measured by AC1kHz
Cycle Performance	80% of Initial capacity at 500 cycles	0.5ItA discharge rate

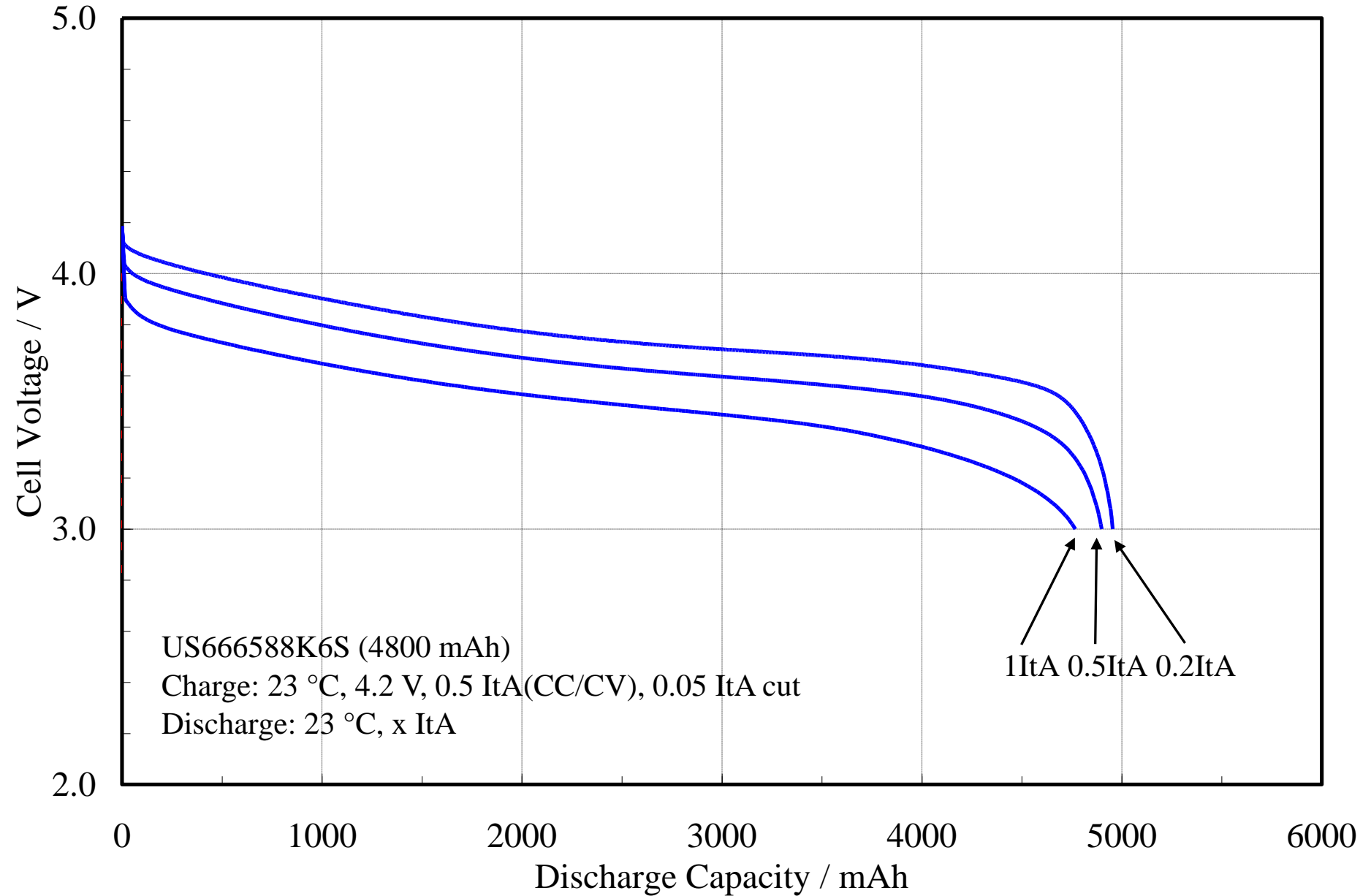
* Standard Charge Condition

Charge Method : constant current constant voltage
Charge Up Voltage : 4.2 V ± 0.05V
Charge Current : 2.40A
Charge Cut off Current : 240mA cut off
Ambiance Temperature : 23°C

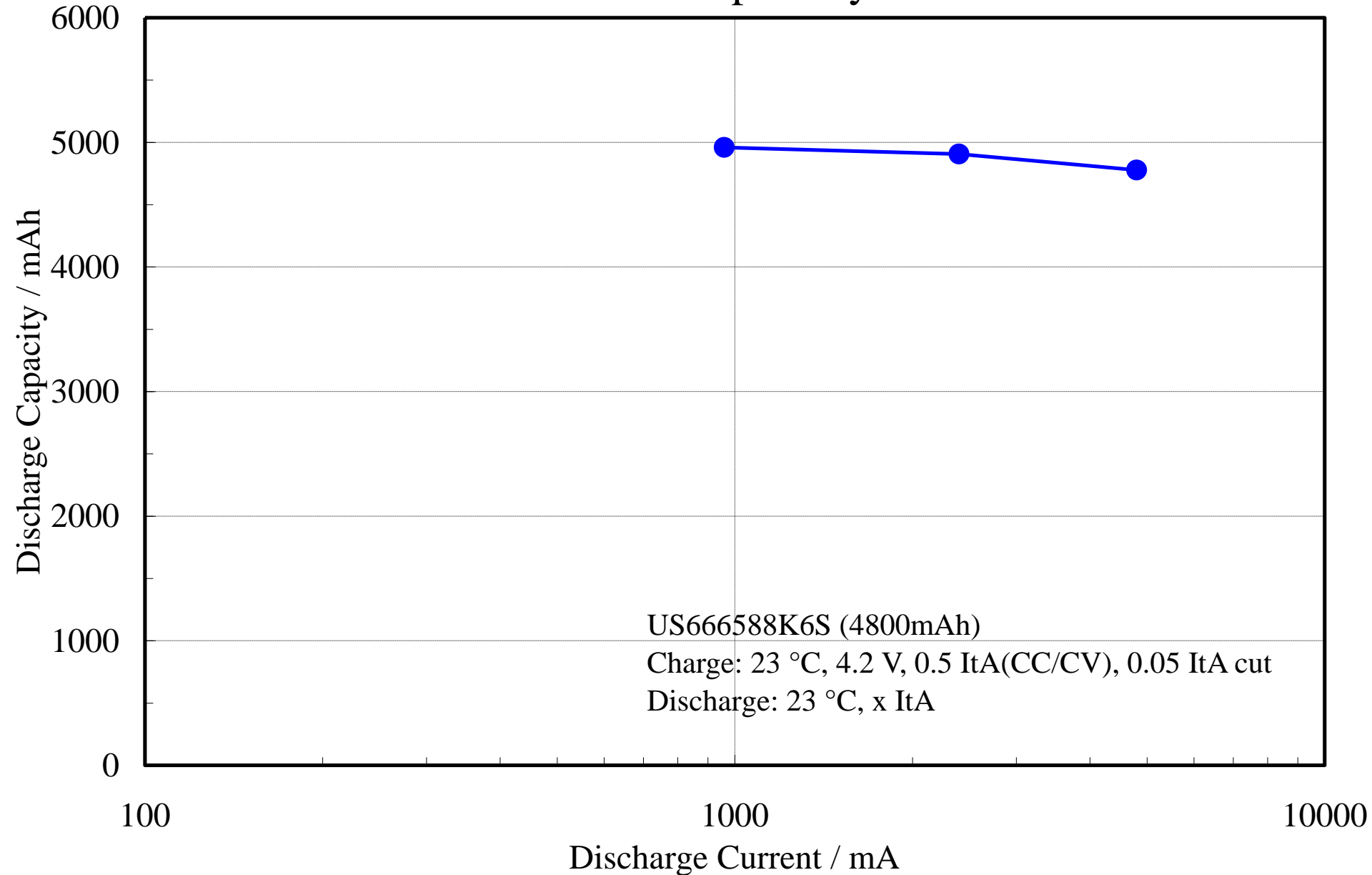
Charging Profile



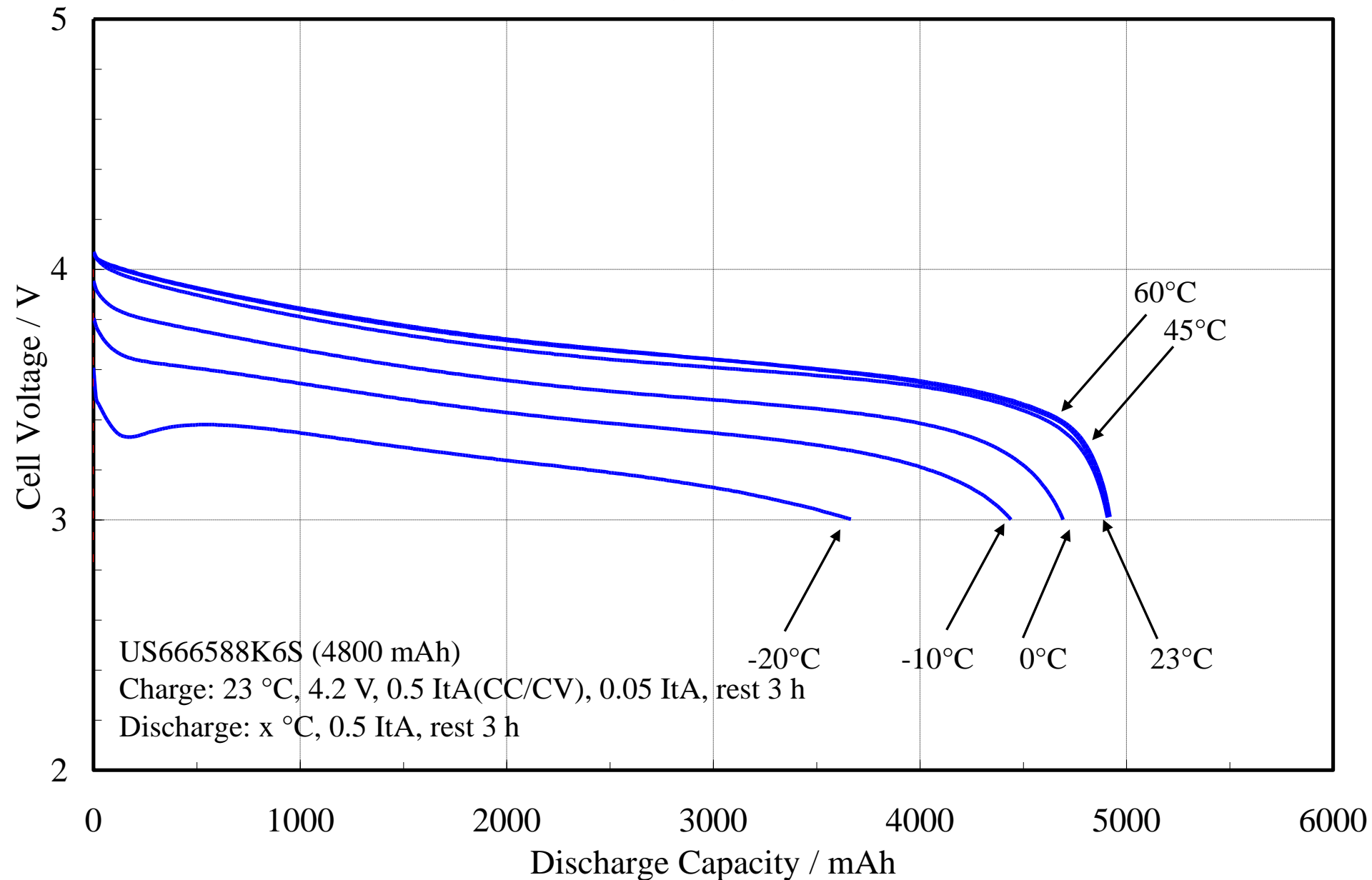
Discharging Profile



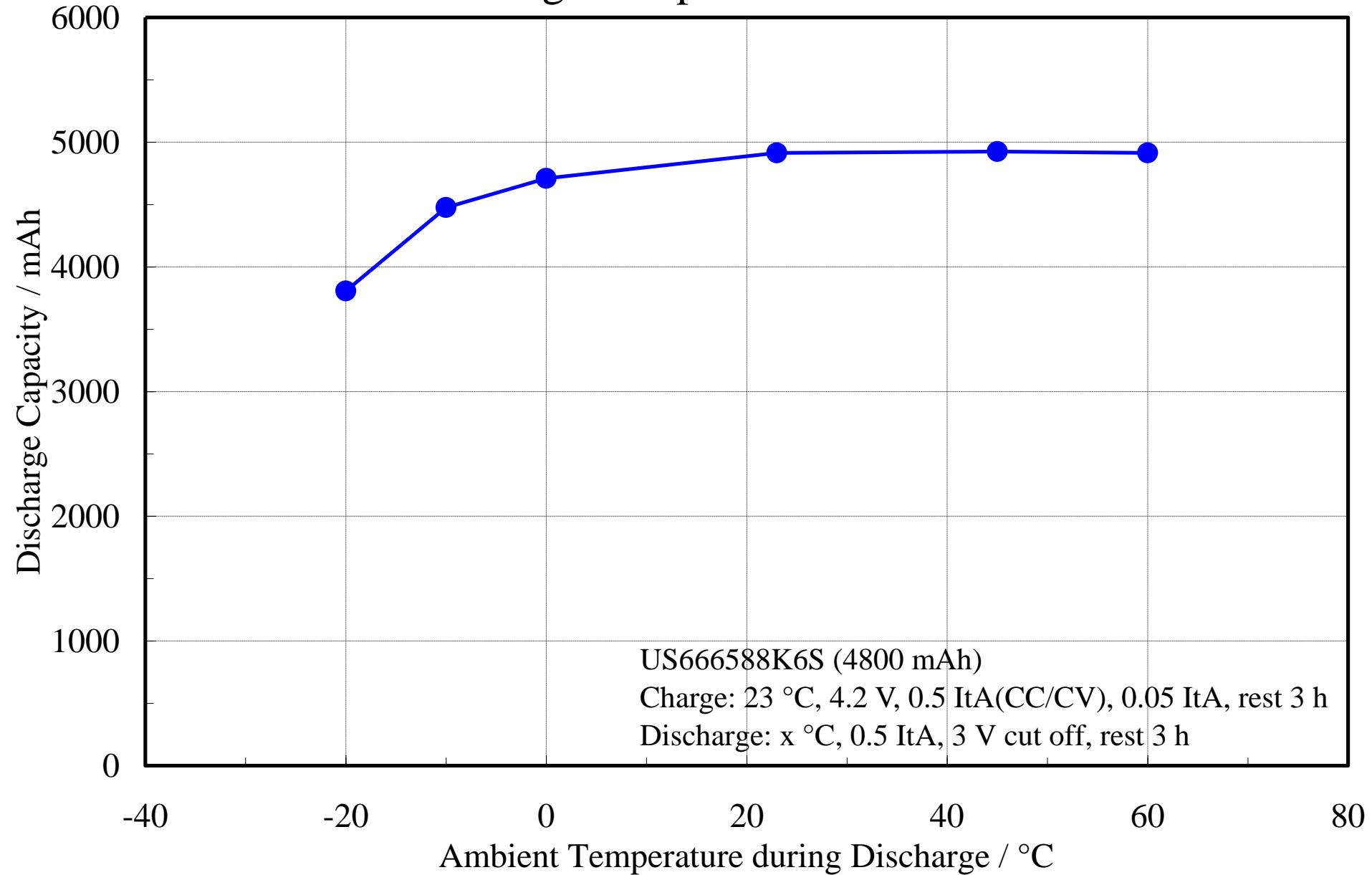
Drain Capability



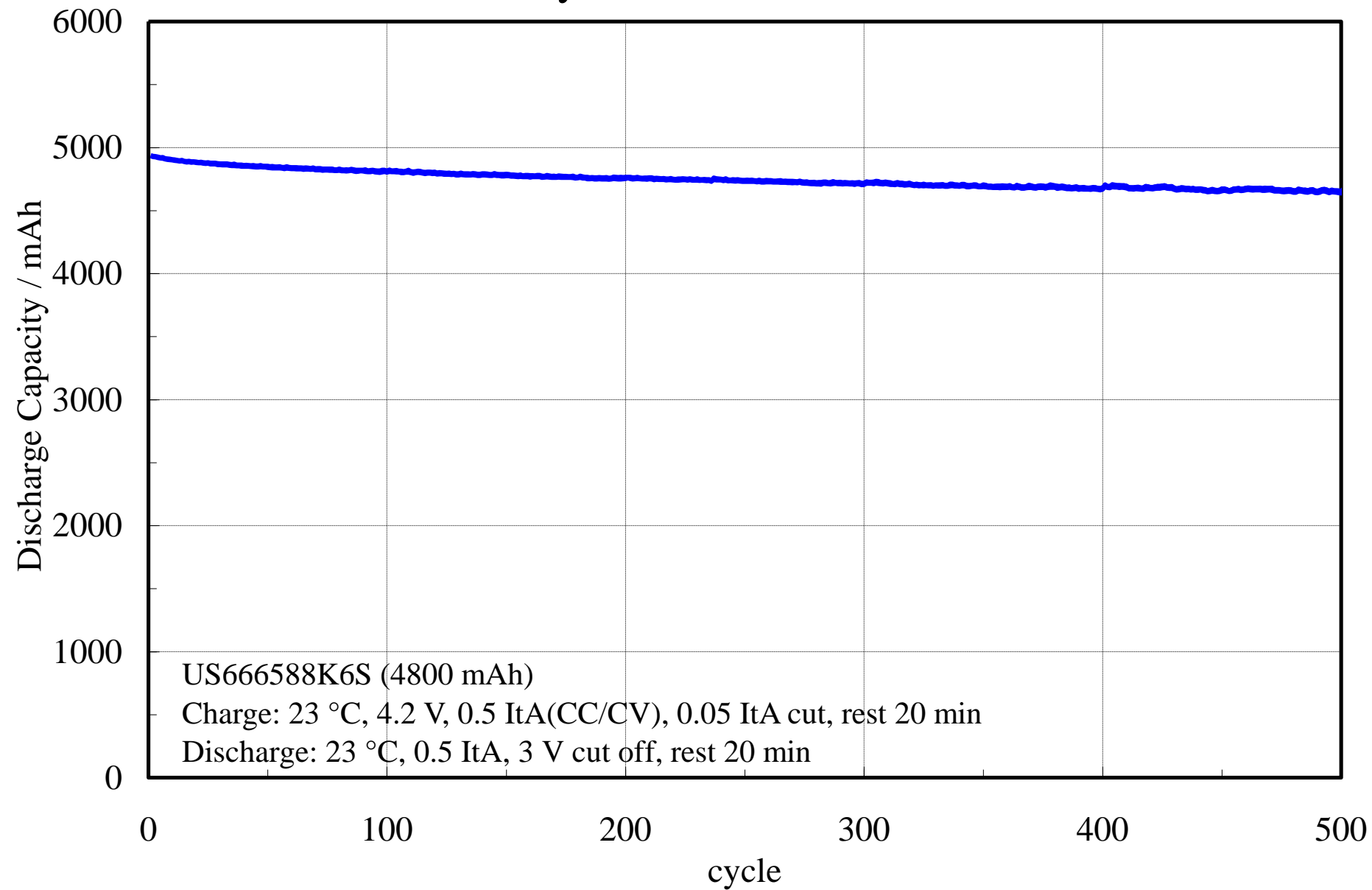
Discharging Profile



Discharge Temperature Performance



Cycle Performance



Cell Size (US666588K6S)

