

1. General

1.1 Scope

This specification applies to type
: US486588K5S Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US486588
1.2.2 Model Number : US486588K5S
1.2.3 Code : 49915550

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer
1.3.2 Size : Thickness 4.8mm max
Width 65.0mm max
Length (without tab) 88.0mm max
1.3.3 Weight : 62.0 g (typical)

1.4 Reference test current

1.0ItA : 3360mA

1.5 Safety Regulation

Murata acquired UL1642.

2. Performance

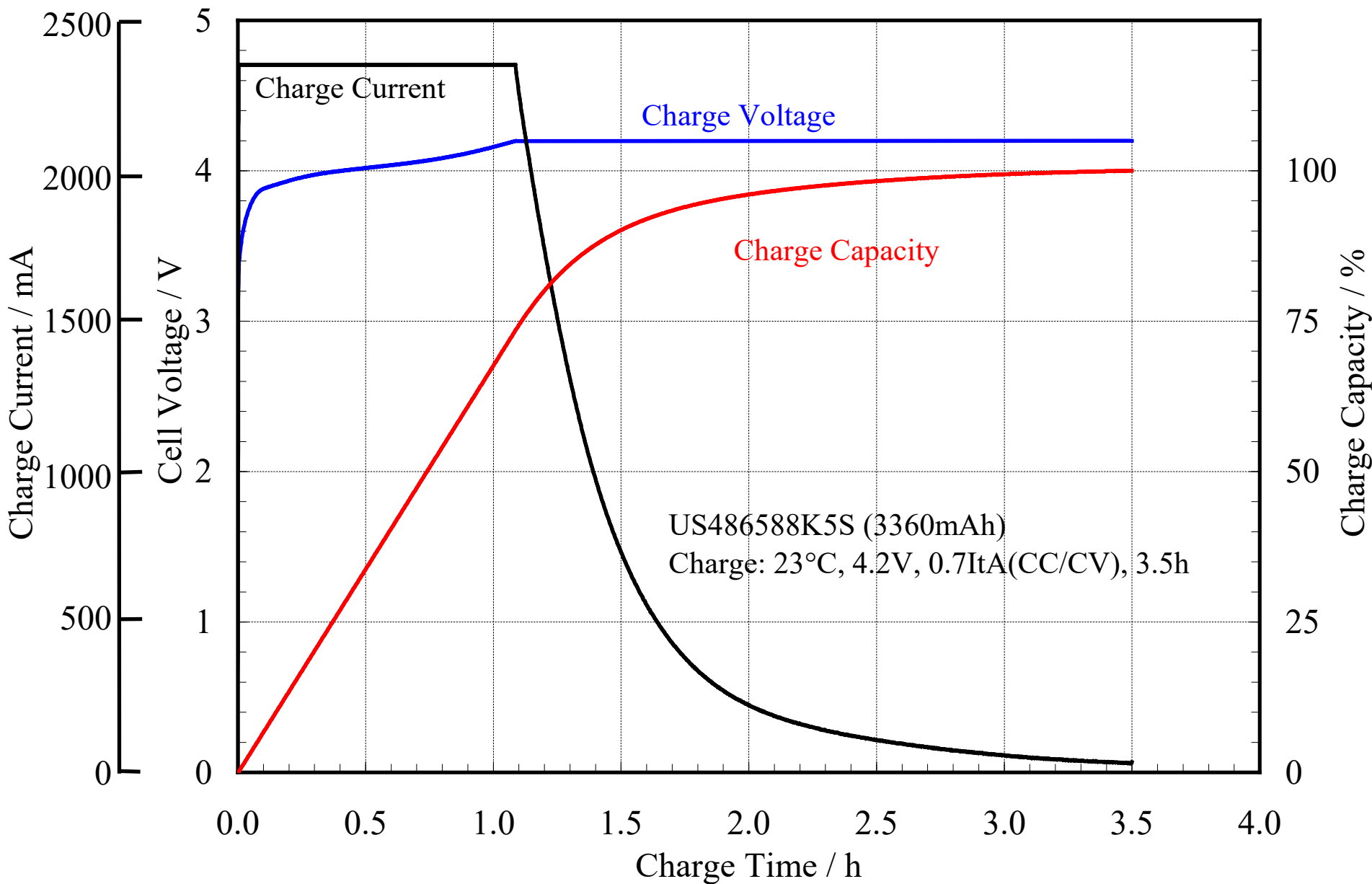
at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	3500mAh 13.23Wh	average capacity 3.78 V (average discharge voltage)
Rated Capacity (0.2ItA discharge)	3360mAh 12.70Wh	minimum capacity
Capacity at 0.5ItA	3460mAh 12.76Wh	average capacity
Capacity at 1.0ItA	3405mAh 12.18Wh	average capacity
Nominal Voltage	3.70V	
Internal Impedance	33mΩ	measured by AC1kHz
Cycle Performance	80% of Initial capacity at 500 cycles	0.5ItA discharge rate

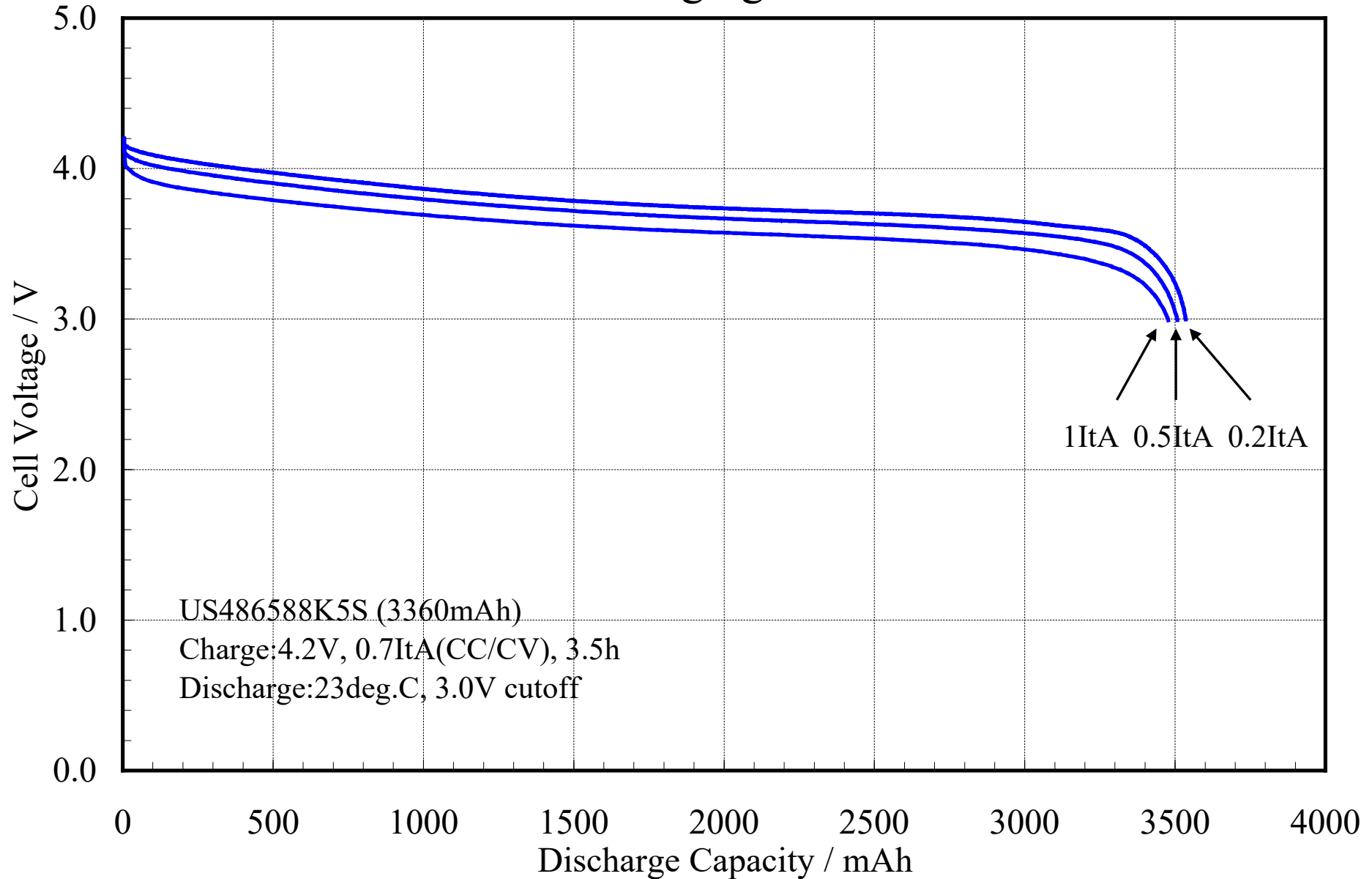
* Standard Charge Condition

Charge Method : constant current constant voltage
Charge Up Voltage : 4.2 V±0.05V
Charge Current : 2.35A
Charge Time : 3.5hours charge
Ambiance Temperature : 23°C

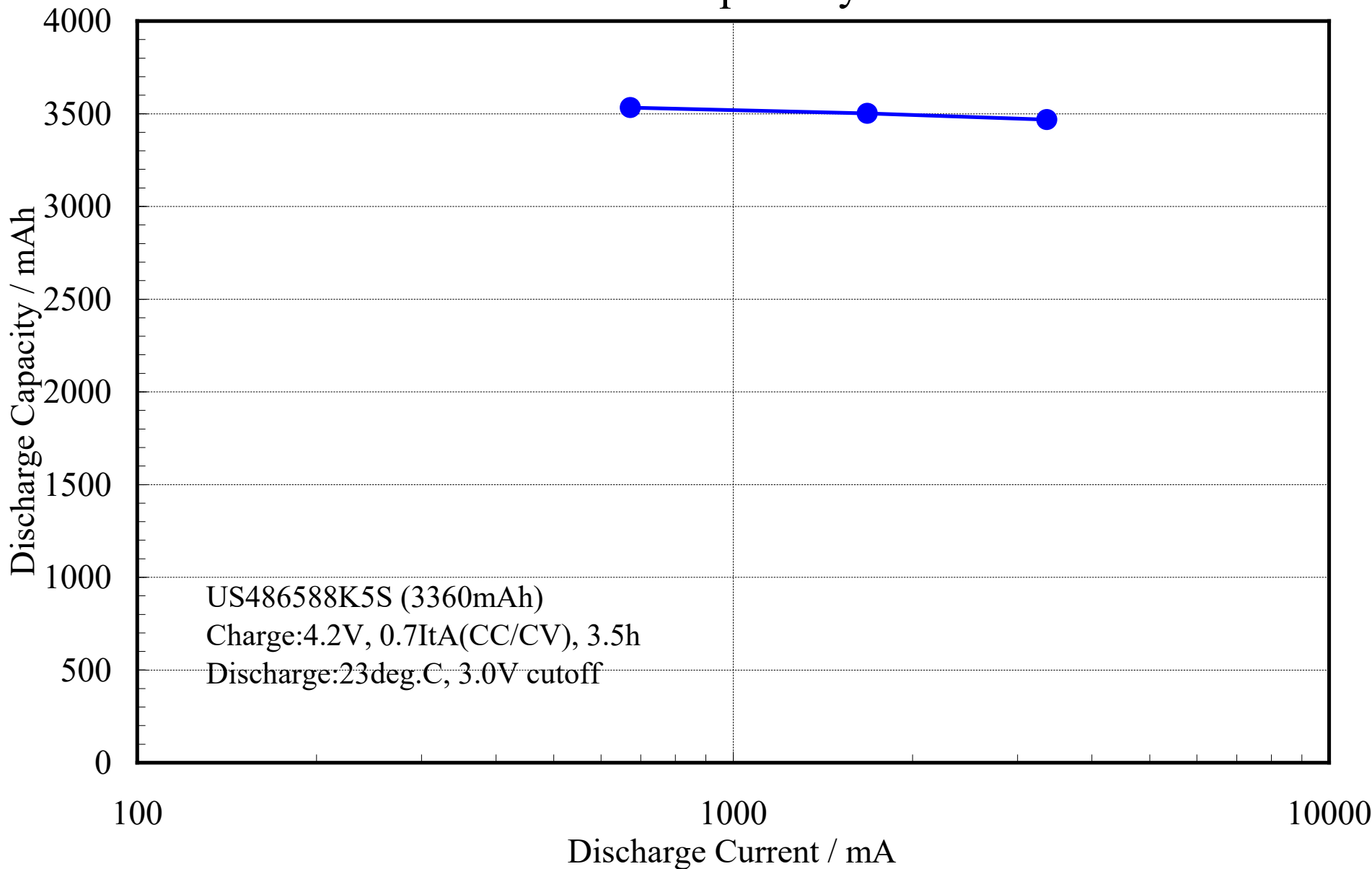
Charging Profile



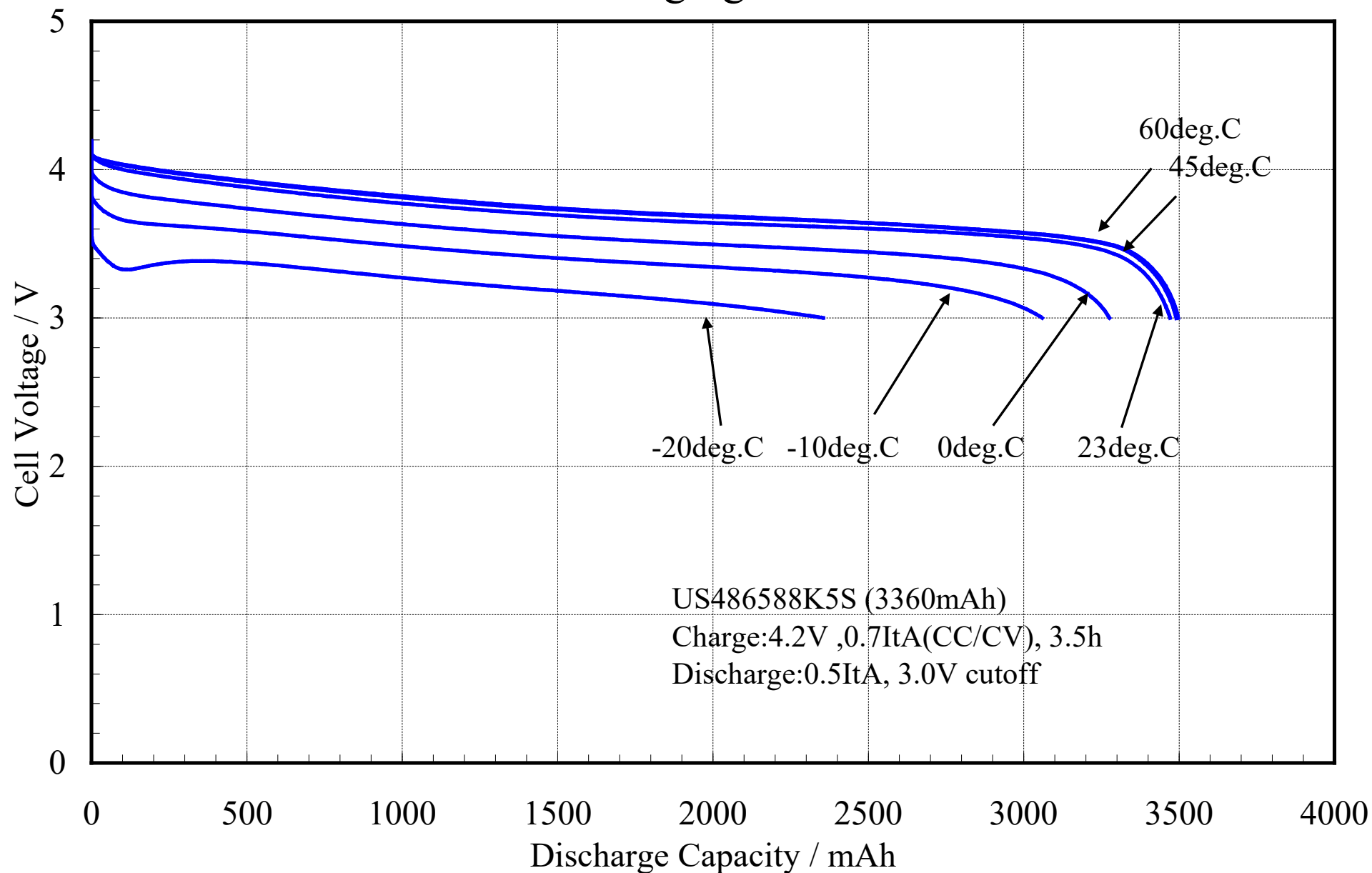
Discharging Profile



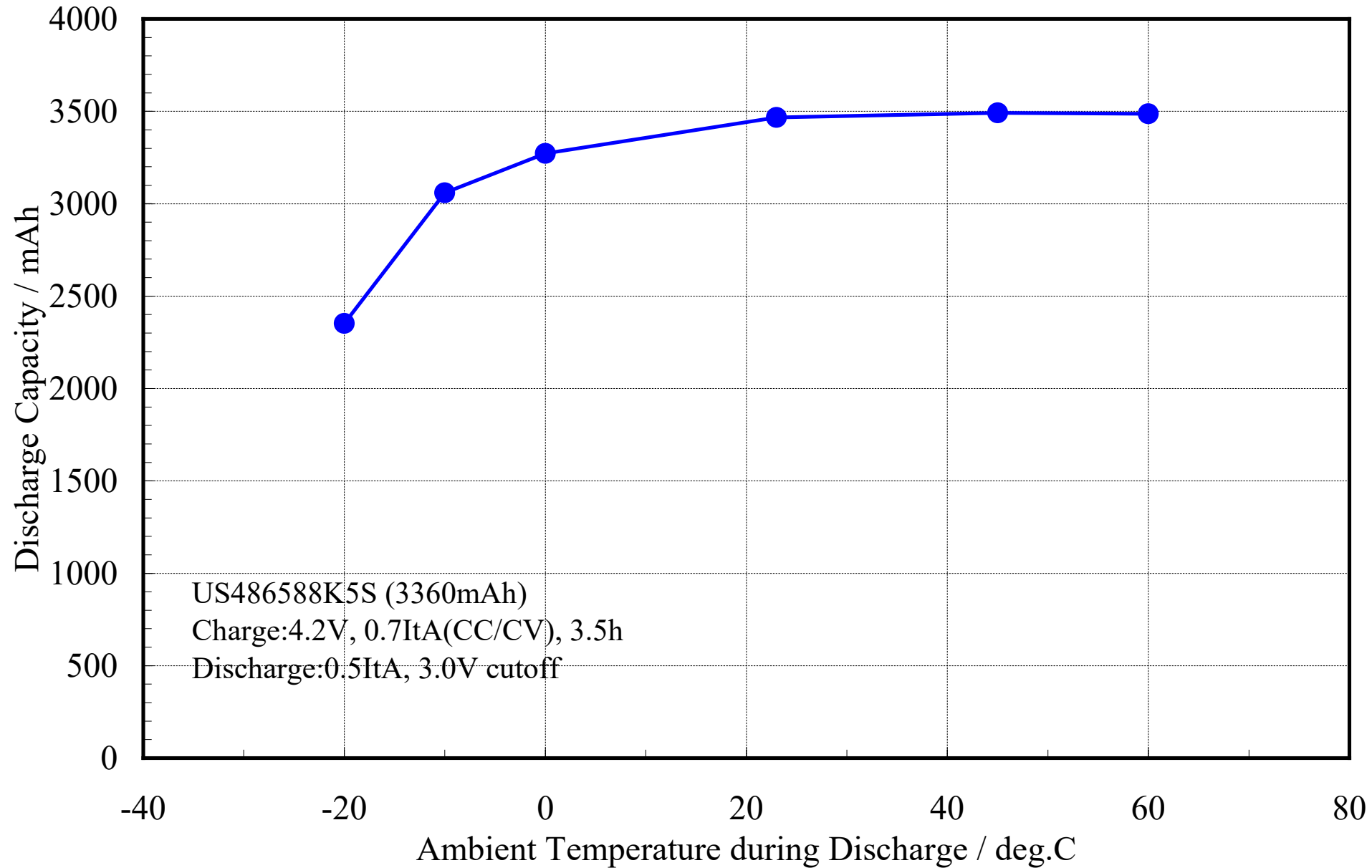
Drain Capability



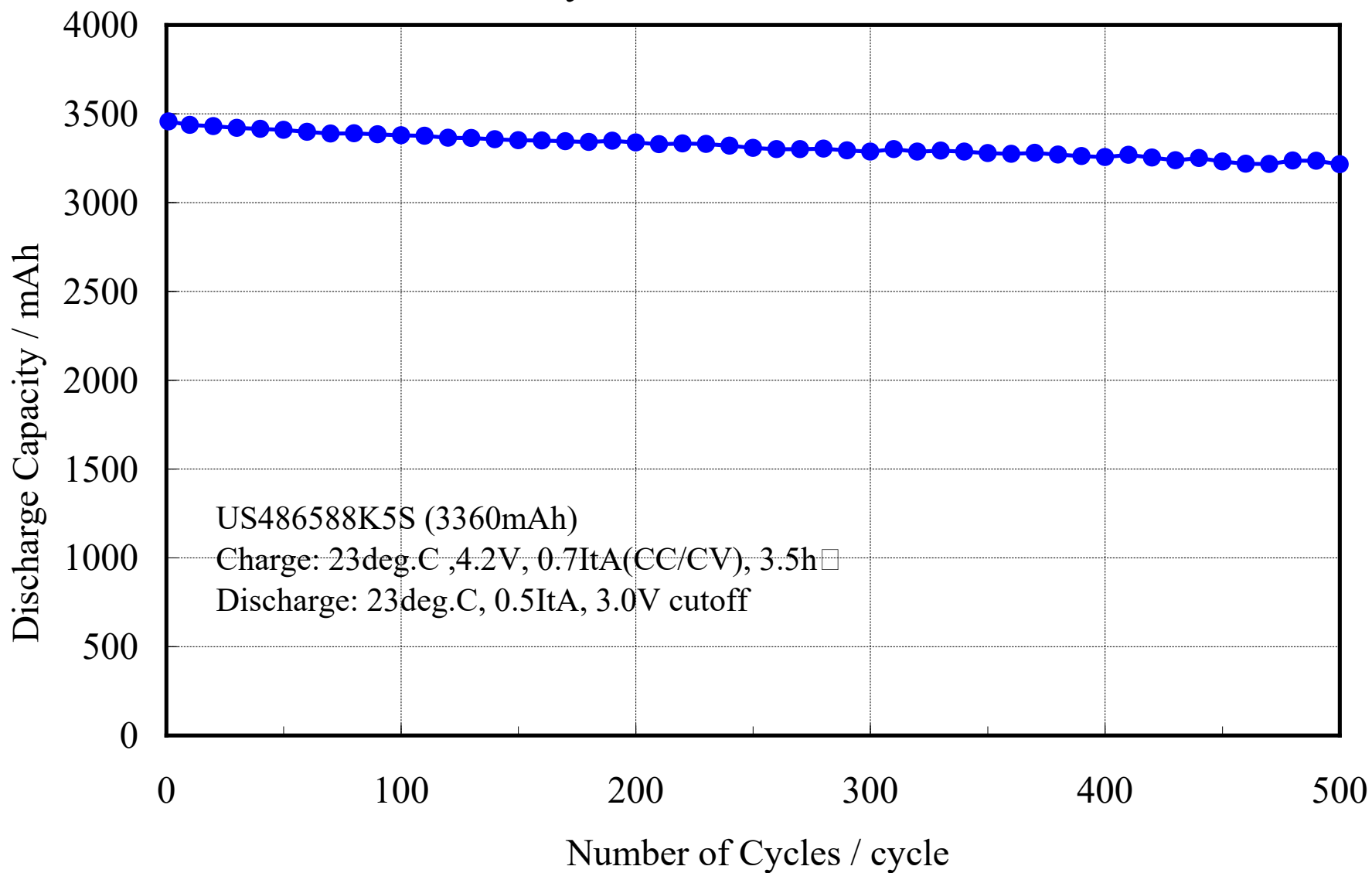
Discharging Profile



Discharge Temperature Performance



Cycle Performance



Cell Size (US486588K5S)

