

1. General

1.1 Scope

This specification applies to type

: US456067H5 Lithium Ion Polymer Rechargeable Battery

1.2 Name and Code

1.2.1 Cell Name : US456067H5

1.2.2 Model Number : US456067H5

1.2.3 Code : 49941955

1.3 Cell Shape and Weight

1.3.1 Cell Shape : Polymer

1.3.2 Size : Thickness 4.45mm max
Width 59.73mm max
Length(without Tab) 66.92mm max

1.3.3 Weight : 42.8g (typical)

1.4 Reference test current

1.0 ItA: 2590mAh

1.5 Safety Regulation

Murata acquired UL1642

2. Performance

at room temperature, 3.0V cut off

Nominal Capacity (0.2ItA discharge)	2670mAh	average capacity 3.8 V (average discharge voltage)
	10.14Wh	
Rated Capacity (0.2ItA discharge)	2590mAh	minimum capacity
	9.94Wh	
Capacity at 0.5ItA	2538mAh	average capacity
	9.58Wh	
Capacity at 1.0ItA	2437mAh	average capacity
	9.0Wh	
Nominal Voltage	3.8	
Internal Impedance	35 mΩ	measured by AC1 kHz
Cycle Performance	80% of Initial capacity at 500 cycles	0.5 ItA discharge rate

*Standard Charge Condition

Charge Method : constant current / constant voltage

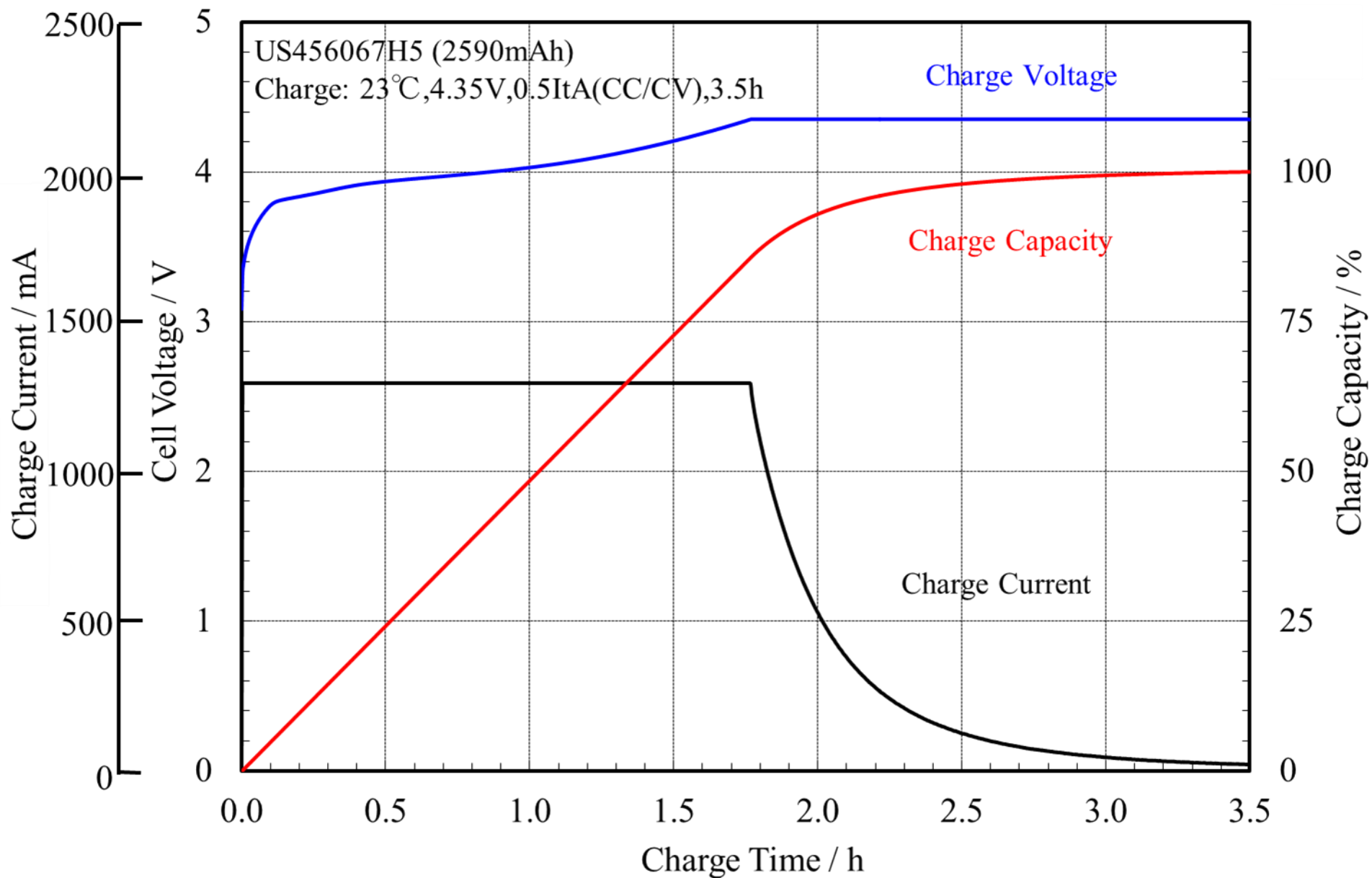
Charge Up Voltage : 4.35 ± 0.05

Charge Current : 1.295 A

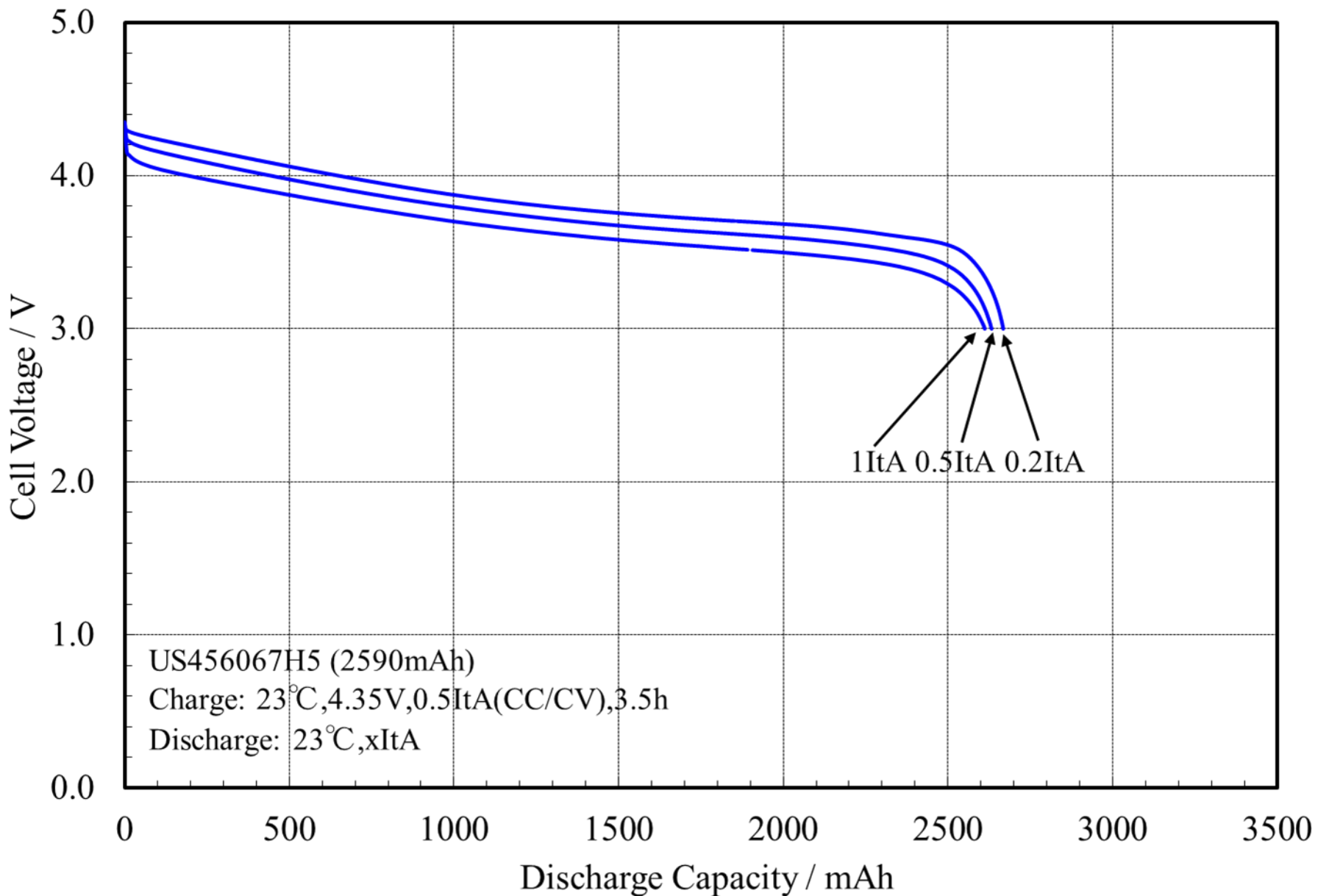
Charge Time : 3.5 h

Ambiance Temperature : 23 °C

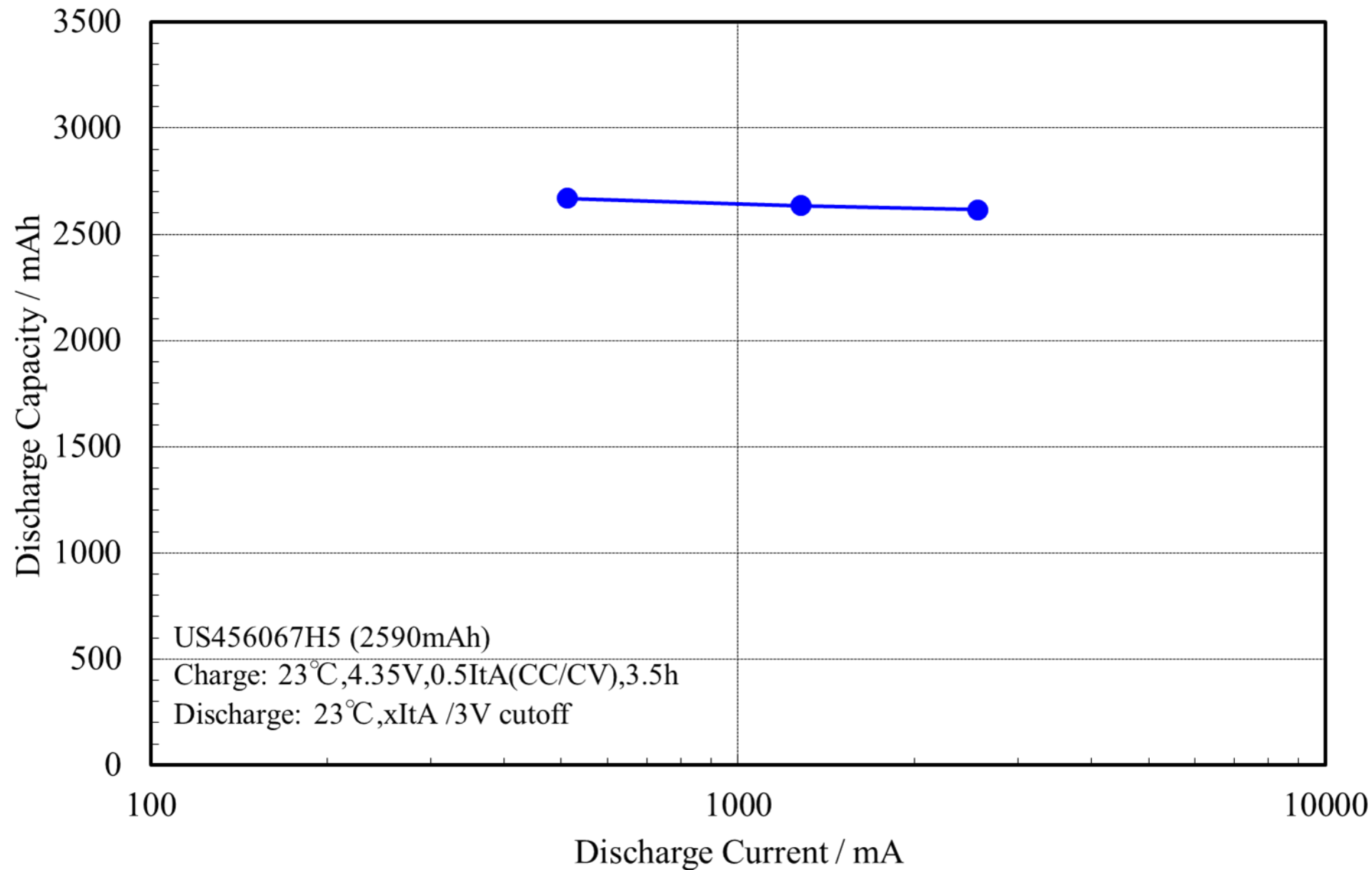
Charging Profile



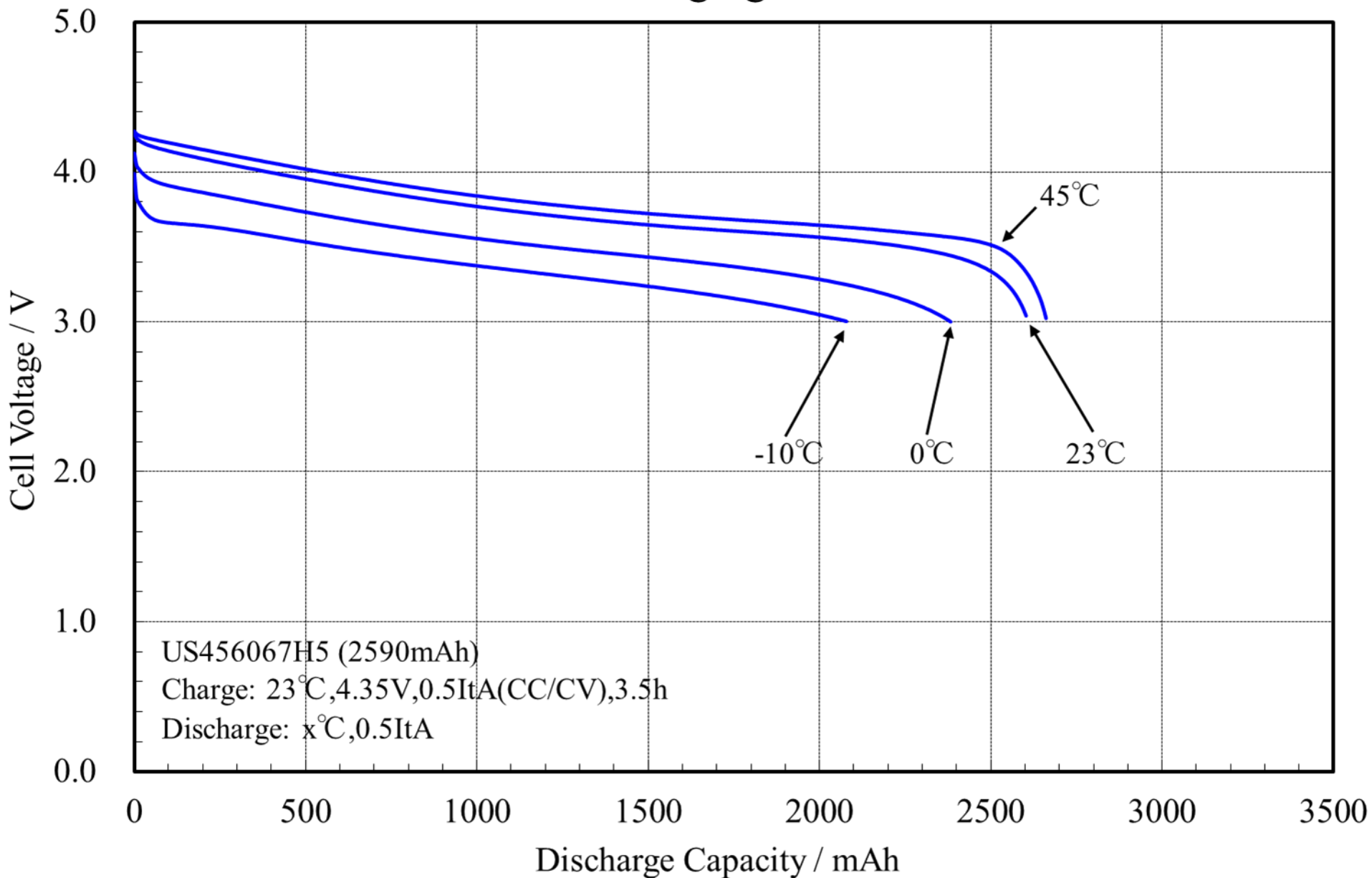
Discharging Profile



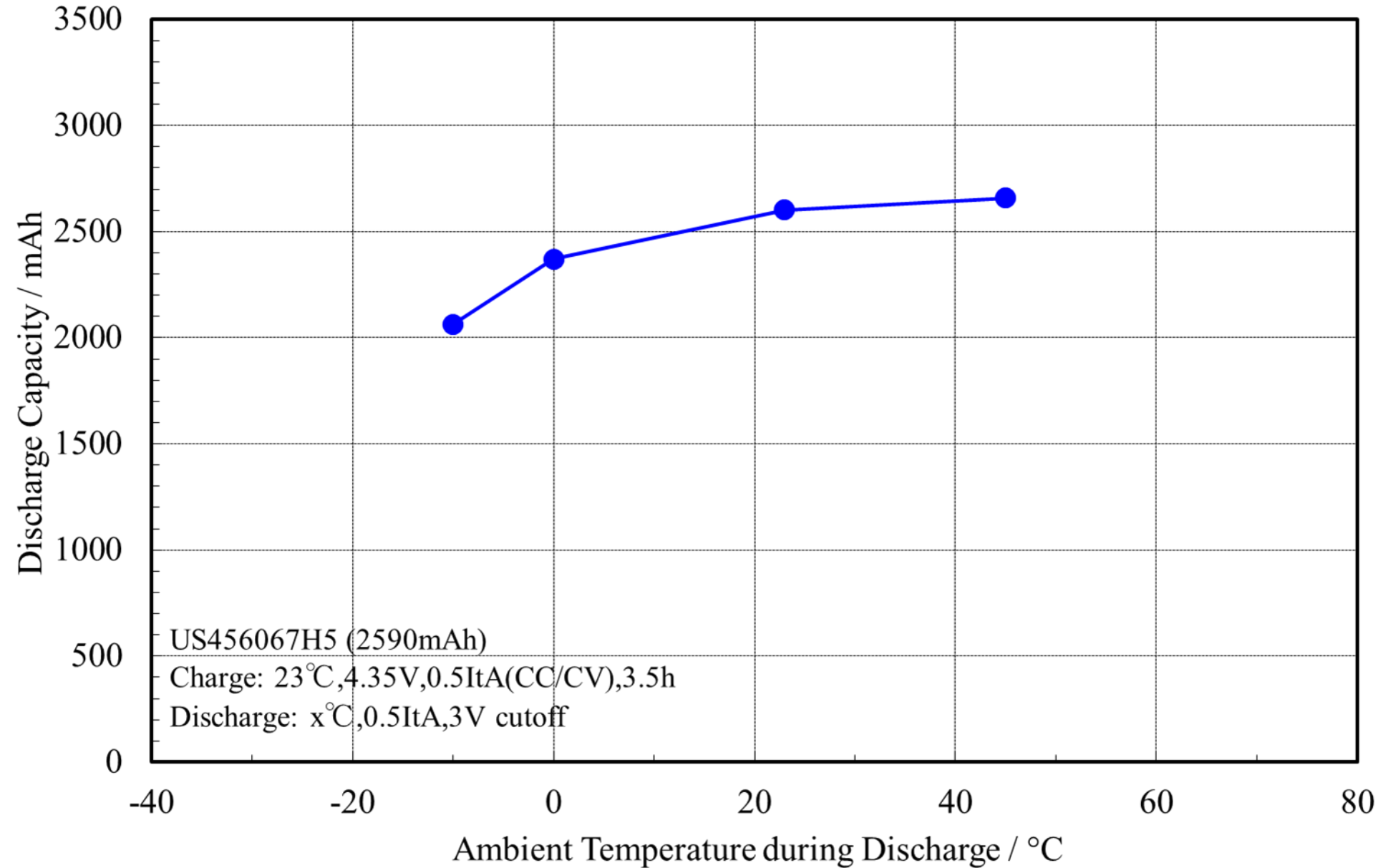
Drain Capability



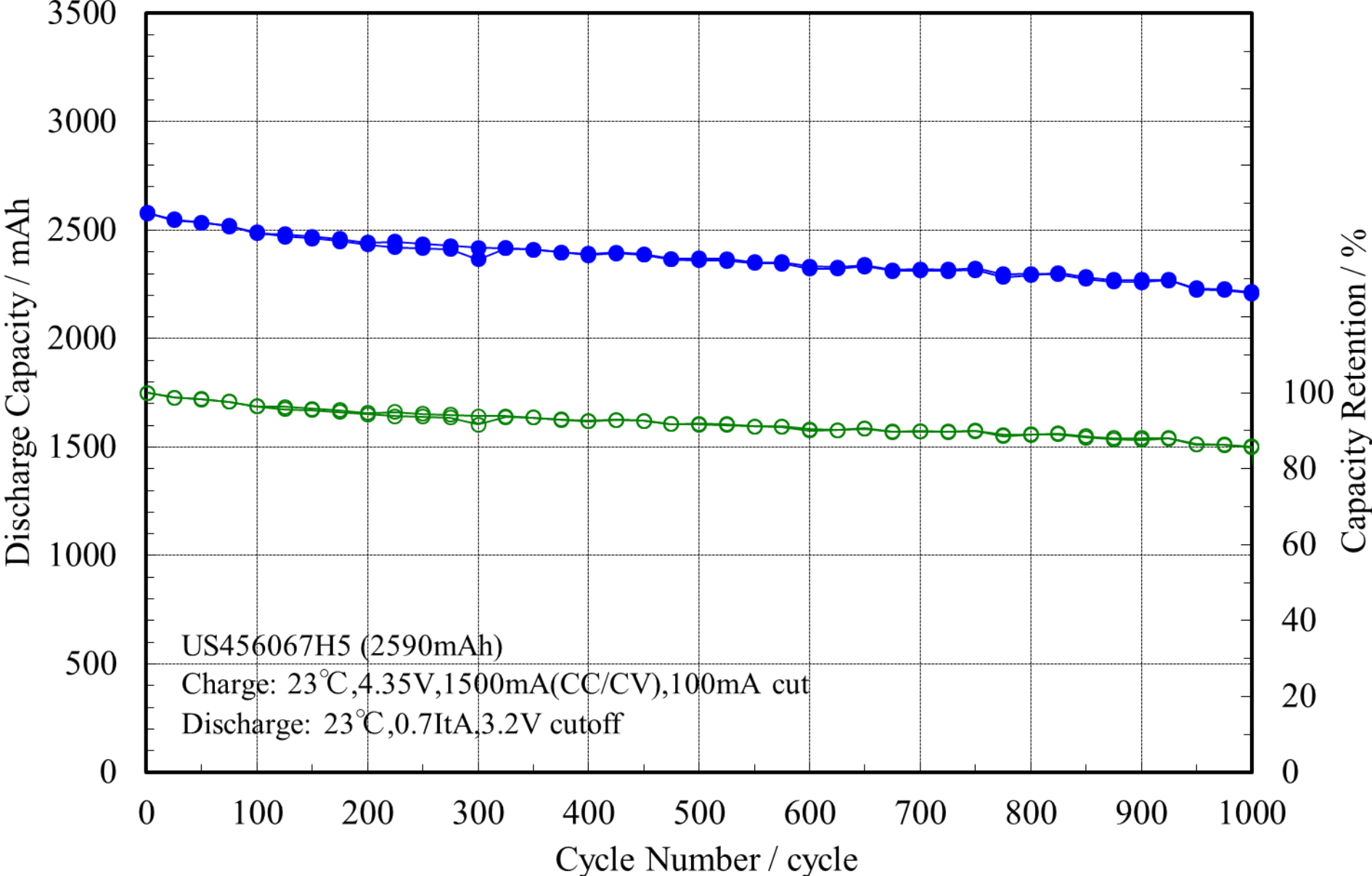
Discharging Profile



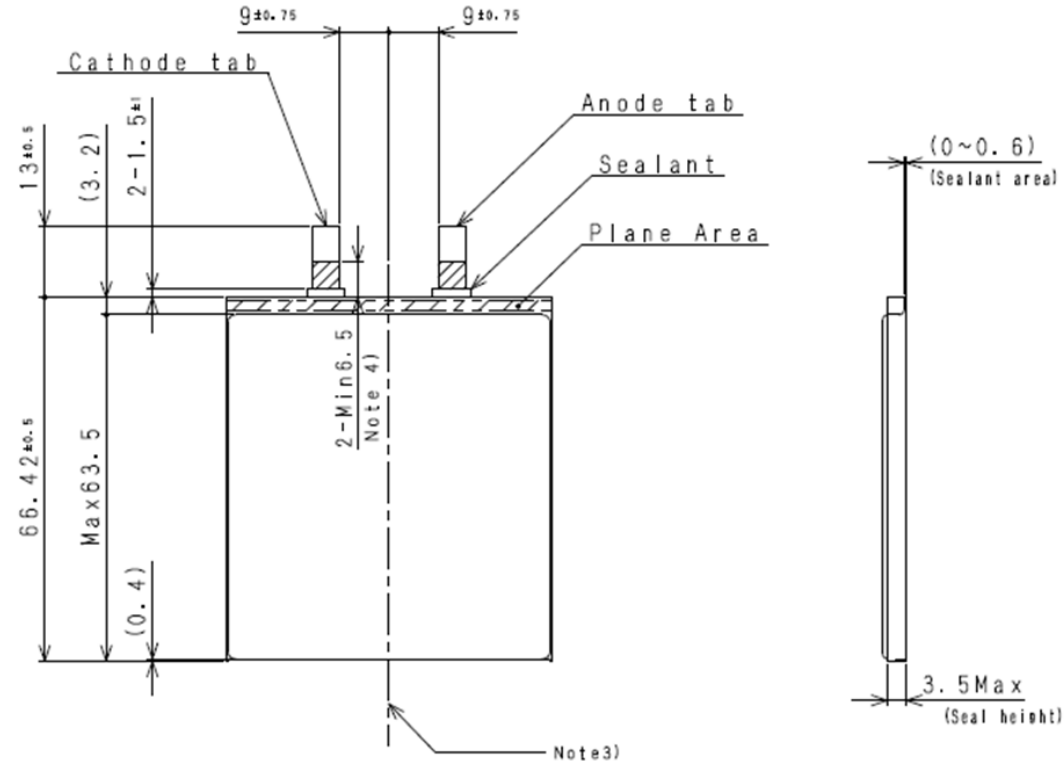
Discharge Temperature Performance



Cycle Performance



Cell Size (US456067H5)



Same opposite face

