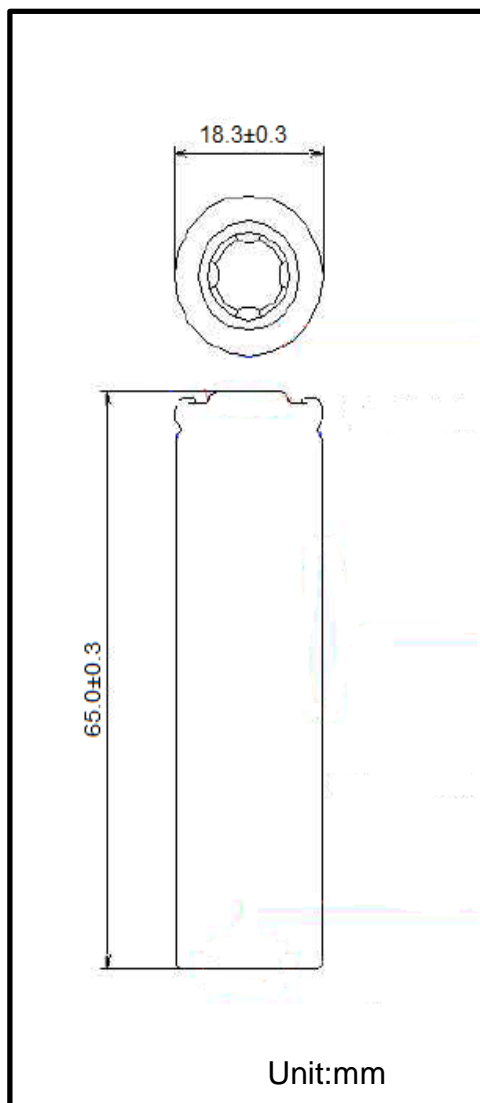


## Cell Type : IMR18650-30

### Specification



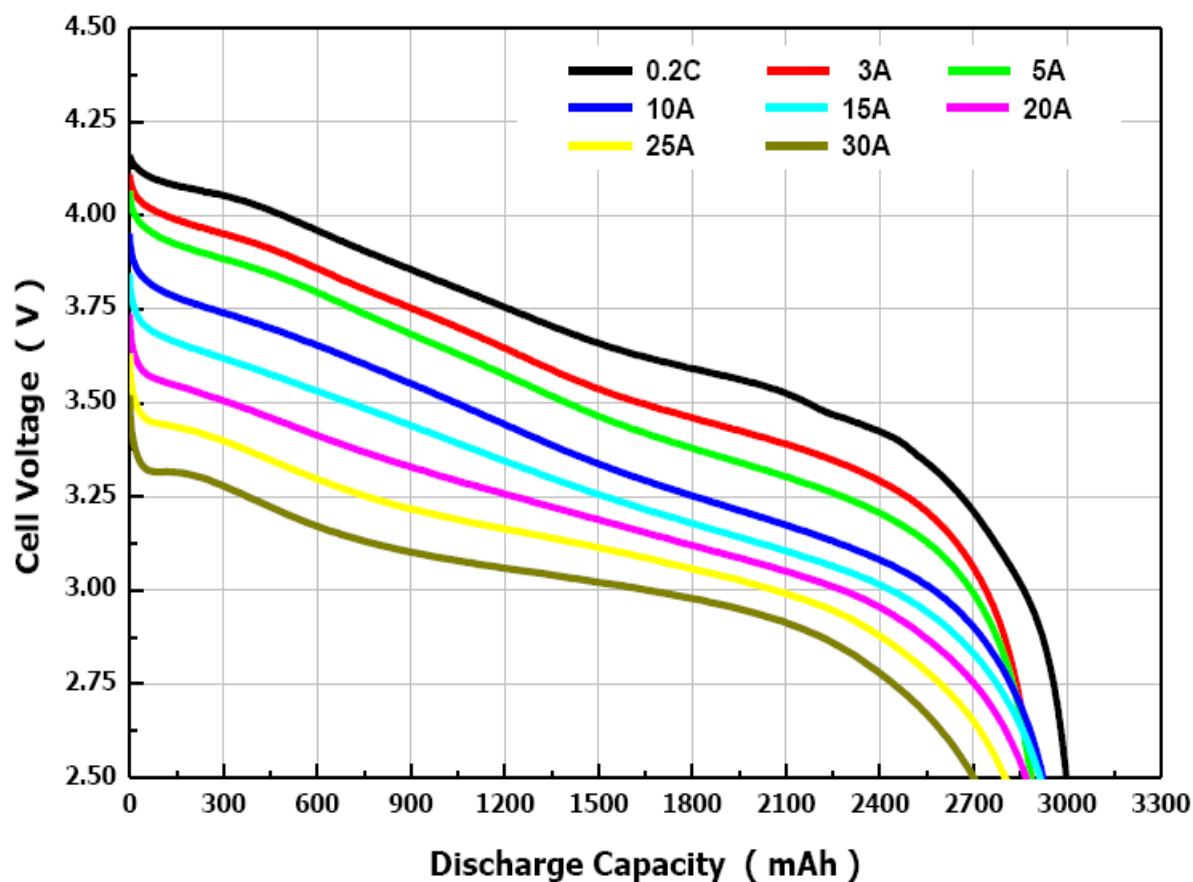
Nominal Capacity:	Nom.3000mAh	
Energy Density:	Nom.240Wh/kg	
Nominal Voltage:	3.7V	
Standard Charging :	CC-CV, 1.25A, 4.2V±0.05, 50mA cut-off	
Rapid Charging :	CC-CV, 4A, 4.2V±0.05, 100mA cut-off	
Charging Time:	Standard Charging:	3 hours/50mA cut-off
	Rapid Charging:	2 hours/100mA cut-off
Max.Discharge current:	30A	
Max.Pulse Discharge:	50A	
Discharge cut-off voltage:	2.5V	
Initial Internal Impedance	Max.20mΩ	
Cell weight:	Max. 47.0g	
Ambient Temperature	Charge	0~50℃
	Discharge	-20~70℃
	Storage	-20~35℃
Cell Dimensions	Height	65.0±0.30 mm
	Diameter	18.3±0.30 mm

## Discharge Characteristics-Capacity

Ambient Temperature:23°C

Test Method: Charge CC-CV: 0.5C charge to 4.2V,50mA Cut-off

Discharge CC: 2.5V Cut-off



Current(A)	Capacity(mAh)
0.2C	3001
3A	2886
5A	2884
10A	2925
15A	2913
20A	2873
25A	2802
30A	2705

## 20A Discharge cycle life

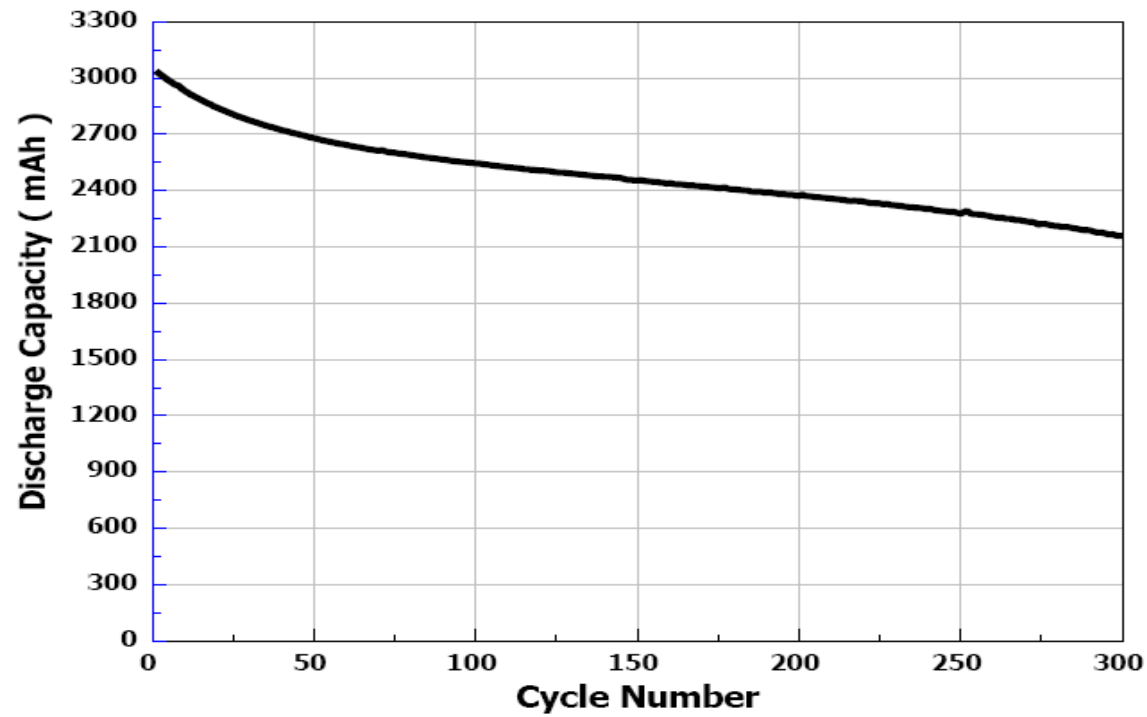
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Ambient Temperature:23°C

Test Method: Charge CC-CV: 4A charge to 4.2V,100mA Cut-off

Discharge CC: 20A discharge 2.0V Cut-off

### [20A Cycle]



## High Pulse cycle life

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Ambient Temperature: 23°C

Test Method: Charge CC-CV: 4A charge to 4.2V, 100mA Cut-off

Discharge: 95A(0.5sec) → 80A(0.5sec) → 50A(0.5sec) → 30A(6sec) → Rest(12sec), 1.5V Cut-off

### [High Current Pulse Cycle]

