

## 1. General Information

### 1.1 Scope

This product specification defines the requirements of the rechargeable lithium ion battery to be supplied to the Customer by LG Chem.

1.2 Application: Note PC

1.3 Product classification: Cylindrical rechargeable lithium ion battery

1.4 Model name: ICR18650B3

## 2. Nominal Specification

Item	Condition / Note		Specification
2.1 Capacity	Std. charge / discharge		Nominal 2,600mAh ( $C_{nom}$ ) Minimum 2,500mAh ( $C_{min}$ )
2.2 Nominal Voltage	Average		3.65 V
2.3 Standard Charge (Refer to 4.1.1)	Constant current		0.5C(1250mA)
	Constant voltage		4.2V
	End current(Cut off)		50mA
2.4 Max. Charge Current			1.0C(2500mA)
2.5 Standard Discharge (Refer to 4.1.2)	Constant current		0.2C(500mA)
	End voltage(Cut off)		3.0V
2.6 Max. Discharge Current	For continuous charge		1.5C(3750mA)
2.7 Weight	Approx.		Max. 48.0g
2.8 Operating Temperature	Charge		0 ~ 45 °C
	Discharge		-20 ~ 60 °C
2.9 Storage Temperature (for shipping state)	1 month	-20 ~ 60 °C	Recovery 90%
	3 month	-20 ~ 45 °C	Recovery 90%
	1 year	-20 ~ 20 °C	Recovery 80 %