

Spec. No.	INR18650-29E	Version No.	1.1
-----------	--------------	-------------	-----

## 1. Scope

This product specification has been prepared to specify the rechargeable lithium-ion cell ('cell') to be supplied to the customer by Samsung SDI Co., Ltd.

## 2. Description and Model

2.1 Description	Cell (lithium-ion rechargeable cell)
2.2 Model	INR18650-29E

## 3. Nominal Specifications

Item	Specification
3.1. Nominal Capacity	2,850mAh (0.2C, 2.50V discharge)
3.1.1. Typical Capacity	2,850mAh (0.2C, 2.50V discharge)
3.1.2. Minimum Capacity	2,750mAh (0.2C, 2.50V discharge)
3.2. Charging Voltage	4.20 ± 0.05 V
3.3. Nominal Voltage	3.65V (0.2C discharge)
3.4. Charging Method	CC-CV (constant voltage with limited current)
3.5. Charging Current	Standard charge: 1,375mA
3.6. Charging Time	Standard charge: 3hours
3.7. Max. Charge Current	2750mA (not for cyclelife)
3.8. Max. Discharge Current	2,750mAh (continuous discharge) 8250mAh (not for continuous discharge)
3.9. Discharge Cut-off Voltage	2.50V
3.10. Cell Weight (max. (g))	48g
3.11. Cell Dimension	Diameter(max.) : 18.40 mm Height(max) : 65.00 mm
3.12. Operating Temperature (Cell Surface Temperature)	Charge: 0 to 45°C Discharge: -20 to 60°C
3.13. Storage Temperature	1 year : -20~25°C (1*) 3 months : -20~45°C (1*) 1 month : -20~60°C (1*)

Note (1): If the cell is kept as ex-factory status (50% of charge),  
The capacity recovery rate is more than 80%.