

Spec. No.	ICR18650-28A	Version No.	0.0
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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 ICR18650-28A

3. Nominal Specifications

Item	Specification
3.1 Nominal Capacity	2800mAh (0.2C, 2.75V discharge)
3.2 Minimum Capacity	2700mAh(0.2C, 2.75V discharge)
3.3 Charging Voltage	4.2 ±0.05 V
3.4 Nominal Voltage	3.7V
3.5 Charging Method	CC-CV (constant voltage with limited current)
3.6 Charging Current	Standard charge: 1400mA Rapid charge : 2800mA
3.7 Charging Time	Standard charge : 3hours Rapid charge : 2.5hours
3.8 Max. Charge Current	2800mA(ambient temperature 25℃)
3.9 Max. Discharge Current	5600mA(ambient temperature 25℃)
3.10 Discharge Cut-off Voltage	2.75V
3.11 Cell Weight	48.0g max
3.12 Cell Dimension	Height : 65.00mm max Diameter : 18.25mm max
3.13 Operating Temperature	Charge : 0 to 45℃ Discharge: -20 to 60℃
3.14 Storage Temperature	1 year : -20~25℃(1*) 3 months : -20~45℃(1*) 1 month : -20~60℃(1*)

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

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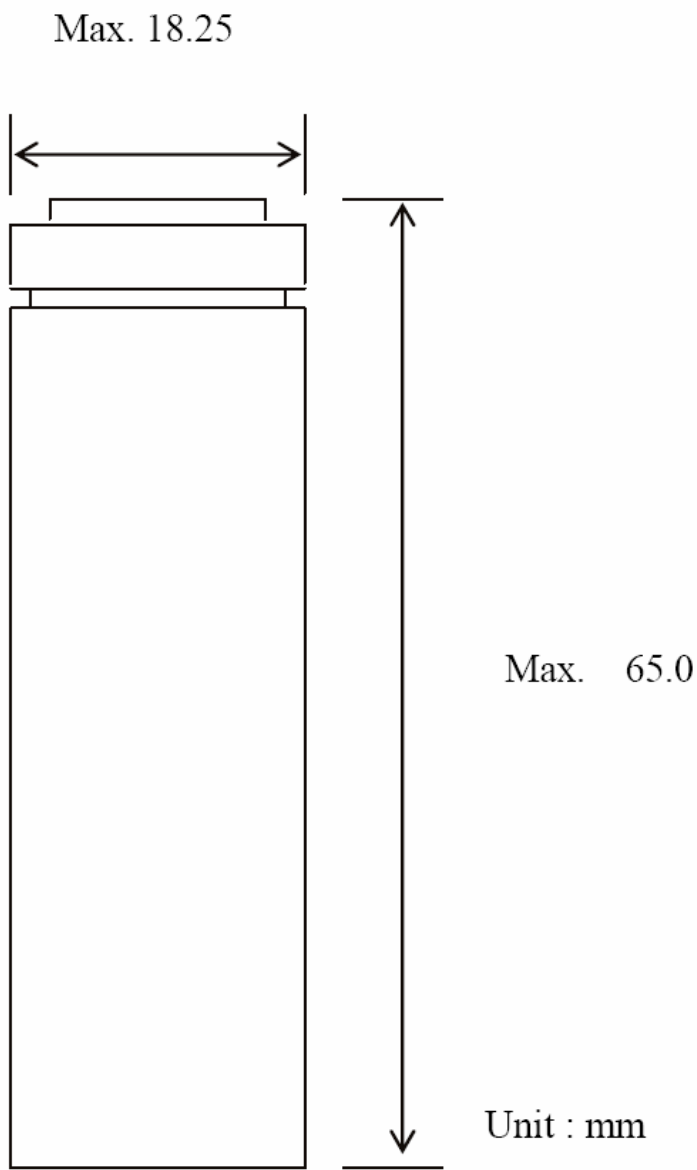


Fig.1. Outline Dimensions of ICR18650-28A