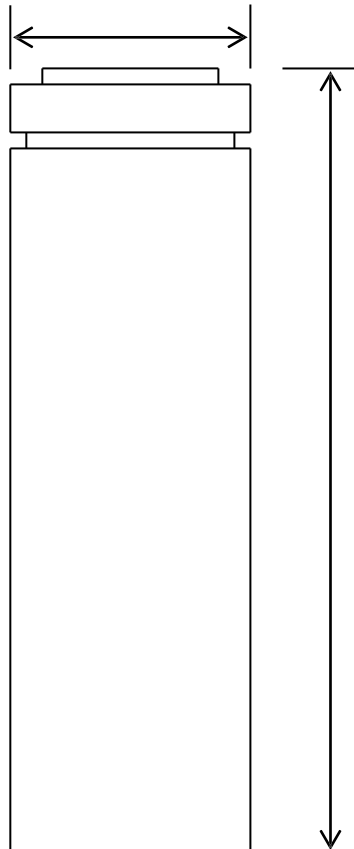


Samsung INR18650-35E – Key Technical Specifications

- **Model Name:** INR18650-35E
- **Manufacturer:** Samsung SDI
- **Battery Type:** Lithium-ion rechargeable cell
- **Nominal Voltage:** 3.6V
- **Nominal Capacity:** 3,500mAh (min 3,350mAh)
- **Standard Charge:**
 - Voltage: 4.2V
 - Current: 1,700mA (0.5C)
 - Charging Method: CC-CV (constant current / constant voltage)
 - Charging Time: ~4 hours (standard)
- **Standard Discharge:**
 - Cut-off Voltage: 2.65V
 - Continuous Discharge Current: 8A
 - Max Discharge Current: 13A (not continuous)
- **Cycle Life:** ≥ 500 cycles (capacity remains $\geq 60\%$)
- **Weight:** $\leq 50\text{g}$
- **Dimensions:**
 - Height: $\leq 65.25\text{ mm}$
 - Diameter: $\leq 18.55\text{ mm}$
- **Operating Temperature:**
 - Charge: $0^{\circ}\text{C} \sim 45^{\circ}\text{C}$
 - Discharge: $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- **Storage Temperature:**
 - 1 year: $-20^{\circ}\text{C} \sim 25^{\circ}\text{C}$
 - 3 months: $-20^{\circ}\text{C} \sim 45^{\circ}\text{C}$
 - 1 month: $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- **Applications:** laptops, flashlights, e-bikes, scooters, power tools, solar backup, medical equipment, and more.

Outline Dimensions
See the Fig. 1

Max. 18.55



Max. 65.25

Unit : mm

Fig. 1 Outline Dimensions of INR18650-35E