

Spec. No.	INR18650-29E	Version No.	1.1
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4. Outline Dimensions

See the attachment (Fig. 1)

5. Appearance

There shall be no such defects as scratch, rust, discoloration, leakage which may adversely affect commercial value of the cell.

6. Standard Test Conditions

6.1 Environmental Conditions

Unless otherwise specified, all tests stated in this specification are conducted at temperature $25\pm 5^{\circ}\text{C}$ and humidity $65\pm 20\%$.

6.2 Measuring Equipment

(1) Ammeter and Voltmeter

The ammeter and voltmeter should have an accuracy of the grade 0.5 or higher.

(2) Slide caliper

The slide caliper should have 0.05 mm scale.

(3) Impedance meter

The impedance meter with AC 1kHz should be used.

7. Characteristics

7.1 Standard Charge

This "Standard Charge" means charging the cell with charge current of 1,375mA and constant voltage 4.20V at 25°C , 0.02C cutoff.

7.2 Standard Discharge Capacity

The standard discharge capacity is the initial discharge capacity of the cell, which is measured with discharge current of 550mA with 2.50V cut-off at 25°C within 1 hour after the Standard charge.

$$\text{Standard Discharge Capacity} \geq 2,750\text{mAh}$$

7.3 Rated Discharge Capacity

The rated discharge capacity is the initial discharge capacity of the cell, which is measured with discharge current of 2,750mA with 2.50V cut-off at 25°C within 1 hour after the Standard charge.

$$\text{Rated Discharge Capacity} \geq 2,668\text{mAh (97\% of 2,750mAh)}$$

7.4 Initial internal impedance

Initial internal impedance measured at AC 1kHz after Standard charge.

$$\text{Initial internal impedance} \leq 45\text{m}\Omega$$

7.5 Temperature Dependence of Discharge Capacity

Discharge capacity comparison at each temperature, measured with discharge constant current 2,750mA and 2.50V cut-off with follow temperature after the Standard charging at 25°C .