

Rechargeable Lithium-ion Battery

ICR18650P1

Electrical Characteristics

Nominal Capacity 2200mAh (0.2C Discharge)

Minimum Capacity 2170mAh (0.2C Discharge)

Nominal Voltage 3.6V

Charge Cut-off Voltage 4.2V

Discharge Cut-off Voltage 2.75V

Internal Impedance $\leq 35m\Omega$

Standard Charge Current 0.5C

Standard Discharge Current 0.5C

Weight Appro. 45g

Rapid Charge Current 1.0C

Max Discharge Current 10A (Ambient temperature 25°C)

Max Pulse Discharge Current 15A (Ambient temperature 25°C)

Standard Charge

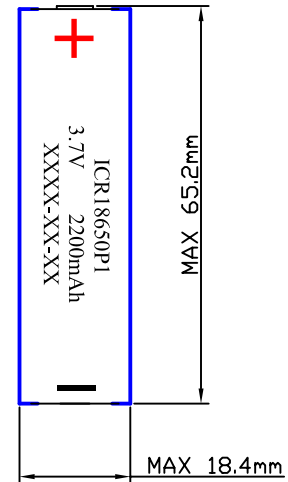
Constant Current(CC) Charging at 0.5C to 4.2V
 Constant Voltage(CV) Charging at 4.2V to cut-off current $\leq 0.01C$

Standard Discharge

Constant Current (CC) Discharge at 0.5C to cut-off voltage of 2.75V

General cycle Life(25±2°C) 300times

Constant current 0.5C charge to 4.2V , then constant voltage charge to current declines to 0.01C, rest 0.5h , then constant current 0.5C discharge to 2.75V,rest 0.5h.Repeat above steps till continuously discharging capacity lower than 80% of the Initial Capacities of the Cells.



Diameter: 18.4mm Height: 65.2mm
 (Note: Drawings just for reference)

Terminal / Connector

Soldering tabs/wires/connectors
 (any special connector, please don't hesitate to contact us.)

Operating Temperature

Charge: 0 ~ 45°C
 Discharge: -20 ~ 60°C

Storage Temperature

During 1 month: -5 ~ 35°C
 During 6 months: 0 ~ 35°C

Note: Information above just for your reference, more details please contact Green Energy Battery Co.,Ltd.