

Rechargeable Lithium-ion Battery

ICR18650H4

Electrical Characteristics

Nominal Capacity	3000mAh (0.2C Discharge)
Minimum Capacity	2900mAh (0.2C Discharge)
Nominal Voltage	3.7V
Charge Cut-off Voltage	4.35V
Discharge Cut-off Voltage	3.0V
Internal Impedance	≦ 60mΩ
Standard Charge Current	0.2C
Standard Discharge Current	0.2C
Weight	Appro. 47g
Rapid Charge Current	1.0C (CC/CV, 3000mA, 4.35V, 30mA)
Max Discharge Current	1.0C (Ambient temperature 25°C)

Standard Charge

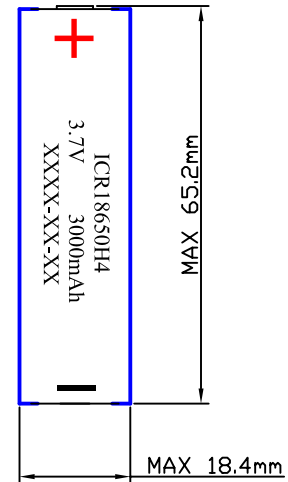
Constant Current(CC) Charging at 0.2C to 4.35V
 Constant Voltage(CV) Charging at 4.35V to cut-off current $\leq 0.01C$

Standard Discharge

Constant Current (CC) Discharge at 0.2C to cut-off voltage of 3.0V

General cycle Life(25±2°C) 300times

Constant current 0.2C charge to 4.35V ,then constant voltage charge to current declines to 0.01C, rest 0.5h , then constant current 0.2C discharge to 3.0V, 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.