



KULR Technology
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LYRA Internal Short Circuit (ISC) Trigger Cell 18650 Data Sheet

Characteristics

Characteristic	Condition/Note	
Dimension		Diameter 18.4mm±0.2mm, height 65.4mm±0.2mm
Nominal Capacity	Nominal Capacity is measured by the discharge of 0.2C to 2.5V end voltage after standard fully charged according to specifications at 25°C.	3300mAh (at 0.2C Discharge)
Minimum Capacity		3200mAh (at 0.2C Discharge)
ISC Trigger Temperature		57°C - 60°C
Maximum Charge Voltage		4.2V±0.03V
Average Working Voltage		3.60V@0.2C
Standard Charge Method (25°C±2°C)	Current Voltage End Current	0.2C (660mA) 4.2V 66mA±5mA
Maximum Charge Current	0°C ≤ T ≤ 10°C 10°C < T ≤ 45°C	0.1C(330mA) 0.2C(660mA)
Standard Discharge	Current End Voltage	0.2C (660mA) 2.5V
Maximum Discharge Current	-20°C ≤ T ≤ 50°C	1.0C(3300A)
Weight of Bare Cell	Avg.	47g±2g
Operating Environmental Temperature	Charge Discharge	0°C~45°C -20°C~50°C



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LYRA Internal Short Circuit (ISC) Trigger Cell 21700 Data Sheet

Characteristics

Characteristic	Condition/Note	
Dimension		Diameter 21.7±0.2mm, height 70.9mm±0.2mm
Nominal Capacity	Nominal capacity is measured by the discharge of 0.2C to 2.5V end voltage after standard fully charged according to specifications at 25°C	5000mAh (at 0.2C Discharge)
Minimum Capacity		4900mAh (at 0.2C Discharge)
ISC Trigger Temperature		60°C
Maximum Charge Voltage		4.2V±0.03V
Average Working Voltage		3.60V@0.2C
Standard Charge Method (25°C±2°C)	Current Voltage End Current	0.2C (1000mA) 4.2V 100mA±5mA
Maximum Charge Current	0°C ≤ T ≤ 10°C 10°C < T ≤ 45°C.	0.1C(500mA) 0.2C(1000mA)
Standard Discharge	Current End Voltage	0.2C (1000mA) 2.5V
Maximum Discharge Current	-20°C ≤ T ≤ 50°C	1.0C(5000A)
Weight of Bare Cell	Avg.	70g±2g
Operating Environmental Temperature	Charge Discharge	0°C~45°C -20°C~50°C