Why does battery heat, fire, and explode? What will happen under such phenomenon?

Environmental test necessity and test method

- Temperature
- Humidity
- Pressure
- Vibration
- Transportation

Secondary battery environmental test

- Battery type
- Battery Performance
- Low/High Temp.
- Charge/Discharge
- Performance under specific environment

A: 0°C - 180°C
B: -20°C - 180°C
C: -40°C - 180°C
D: -70°C - 180°C

Lithium ion battery advantages:

- Small size: lithium-ion batteries are smaller and more portable than nickel-cadmium or lead-acid batteries.
- Energy density: with the same capacity, it has higher energy density than nickel-cadmium and lead-acid batteries.
- Lightweight: it has half the weight of nickel-cadmium batteries.
- Large capacity: it has high capacity and is suitable for continuous charging and stock reservoir.
- Safety: it has over-charge ability and over-thermal safety.
- Long cycle life: it can be used more than 500 times.
- Environmental protection: no cadmium, lead, mercury, etc.

Environmental test chambers

- High & Low Temperature Chamber
- Proof High & Low Temperature Chamber
- Walk in Battery Explosion Chamber
- Temperature Chamber
- Battery High & Low Temperature Chamber
- Environmental test chambers

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