

1. **This product is charged with voltage between 3.6V~3.8V from the time of shipment.** Use this product within the specified working voltage range of 2.2V ~ 3.8V. Exceeding this may cause leakage or explosion. If discharging lower than 2.2V, it will cause capacitance reduction and ESR increase reducing the life of the product.
2. **Do not disassemble the product and avoid shorting positive (+) and negative (-) terminals.** If the internal circuit is shorted, it may cause gassing, leakage, explosion, and other problems.
3. **Do not reverse the polarity.** It may cause gas, leakage, explosion, and other problems.
4. **Do not hold the terminals when handling the cell.**
5. **When using metal tooling, trim and bend leads separately.**
6. **Do not exceed recommended temperature ranges.** The working temperature influences the shelf life of the cell. Higher temperature will shorten the life of the cell. It is preferable to work under as low environmental temperature as possible.
7. **Avoid subjecting the product to high shock and vibration.**
8. **The electrolyte is harmful.** In case the electrolyte comes into contact with skin or eyes, you shall flush the area with fresh water immediately and look for medical advice.
9. **. Keep away from open flame.** This may cause explosion.
10. **Avoid immersion into liquid.** The cells shall never be soaked with water, seawater, or any other type of liquid items.
11. **The cell shall not be used if damaged.** If abnormal features of the cells are found such as damages in the cell package, smelling of electrolyte, etc. the cells should not be used.
12. **Series connection.** If series connection of the cells is needed to achieve higher voltage, it should be assured that the working voltage of every single cell must not exceed the maximum working voltage range in order to avoid shorten shelf life, cell swelling, leakage or crack. Balancing may be needed.
13. **Soldering considerations.** Heat shock will decrease electric performance of the cell causing potential swelling, leakage, and crack:
 - Manual soldering temperature should not exceed 350°C and soldering time should not exceed 4 seconds.
 - Do not wave solder. Do not use reflow soldering, infrared heating and air heating methods on the EDLC.