Battery Storage & Safety Guidelines:

Storage Management

- Short-term storage (less than 3 months): –20°C to +40°C, humidity below 70%RH.
- Long-term storage (3 months or more): –20°C to +20°C, humidity below 70%RH.
- For storage over 3 months: Check remaining capacity regularly and recharge if necessary (recommended to keep at 80–100%).
- Cell voltage must not drop below 2.2V, or irreversible capacity loss may occur
- Store batteries in an independently designated, fire-resistant area.

Usage and Charging Precautions

- Use only the designated charger made for the specific battery.
- Never reverse the positive (+) and negative (–) terminals.
- Keep batteries stored separately from tools or chargers and ensure the protective cap is installed facing upward.
- Do not leave batteries charging for long periods or unattended (e.g., overnight).
- Ensure all terminals and connectors are intact, and properly insulated.

Operation Prohibitions

To prevent accidents or damage, **DO NOT**:

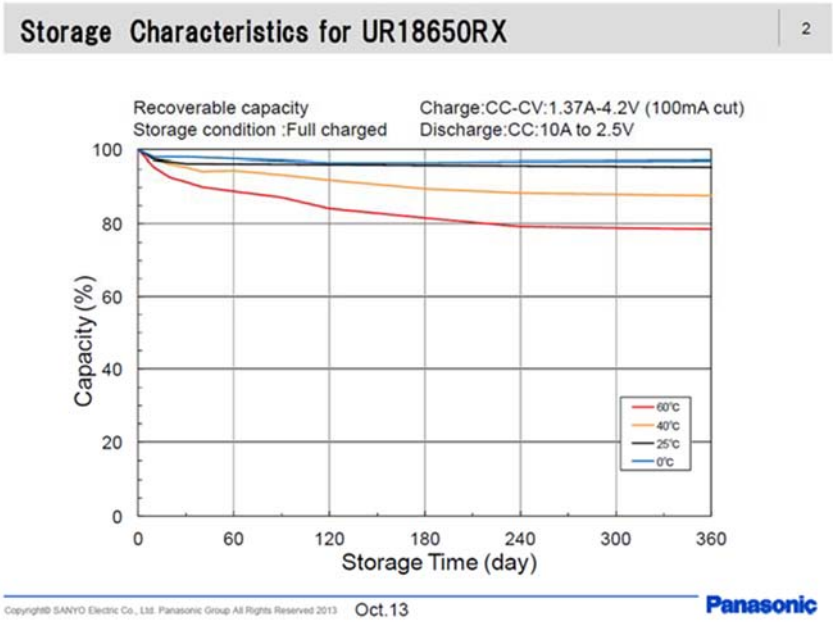
1. Immerse the battery in water or expose it to liquids.
2. Place near open flames, heaters, or high-heat sources.
3. Discard into a fire or apply heat.
4. Hit, drop, or throw the battery.
5. Store or transport with metal objects (necklaces, hairpins, wires, etc.).
6. Connect the positive and negative terminals with metal objects.
7. Use the battery if it appears damaged or defective.
8. Plug the battery directly into an electrical outlet.
9. Continue using the battery if it emits odor or fluid leaks.
10. Use the battery if terminals or connectors appear damaged or defective.

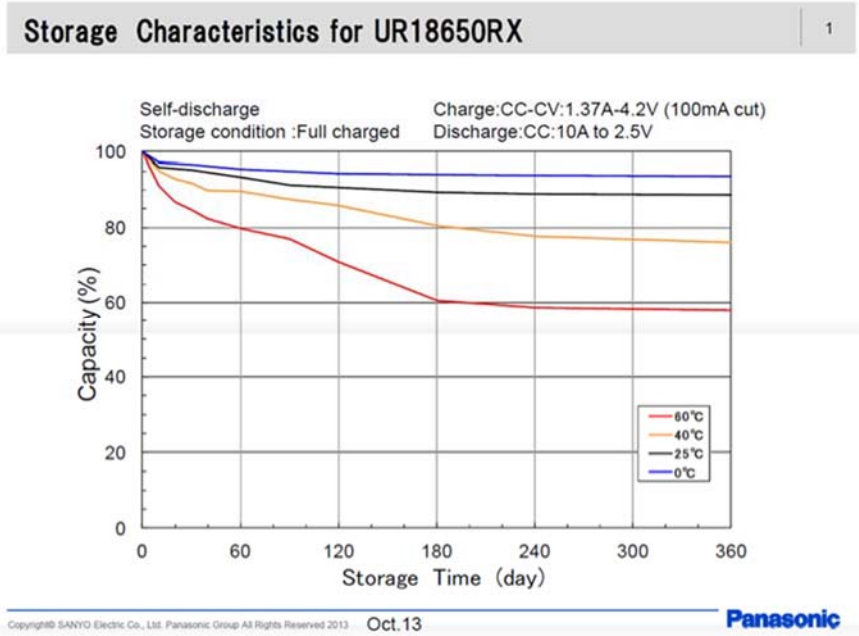
Life Cycle Management

1. Evaluate product service life based on cell cycle life
2. Recommended new replacement after 2 years or 500 cycles.

Battery Capacity Degradation Reference Data

Battery capacity ratio charts (storage time versus ambient temperature)





Capacity Recovery Rate (Stored in Fully Charged Condition)

Capacity recovery rate after charge-discharge cycling following 180 days' storage:

1. 0°C: Approximately 97-98%
2. 25°C: Approximately 95-97%
3. 40°C: Approximately 90%
4. 60°C: Approximately 82%

Capacity Retention Rate (Stored in Fully Charged Condition)

Remaining capacity after 180 days of storage without recharging:

1. 0°C: Approximately 94%
2. 25°C: Approximately 90%
3. 40°C: Approximately 80%
4. 60°C: Approximately 60%