



ANA Product Safety Data Sheet – SDS-P2501

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 25kWh EBOSS Battery Pack

Model Number: 6000000016, 6000000076

Manufacturer: ANA Corp.

Address: 1740 Raiders Way, Henderson, NV, 89052

Telephone No.: ANA Technical Support - +1 562-450-3570 Opt. 3

2. COMPONENTS USED AND COMPANY IDENTIFICATION

- **Product Name:** Toshiba LTO Type 3-23 45Ah 12S2P Module (Lithium-Ion Rechargeable Battery)
- **Model Name:** FM01202CCB01A
- **Original Manufacturer:** Toshiba Corporation Kashiwazaki Operations
- **Address:** 931-21 Karuigawa, Kashiwazaki-Shi, Niigata 945-1396, Japan
- **Intended Use (ANA):** Integrated battery module within ANA EBOSS Hybrid Systems
- **Telephone No.:** +81-50-3191-6594

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Weight Percentage (%)
Complex oxide positive active material (Lithium, Nickel, others)	20 – 30
Lithium Titanate	20 – 30
Electrolyte solvent (cyclic and linear carbonates)	5 – 15
Electrolyte salt (lithium salt of fluoro-complex compound)	Li: 0.05 – 0.15 / F: 1.0 – 2.0
Plastic Enclosure (m-PPE)	5 – 15

4. HAZARDS IDENTIFICATION

- The Chemical components of the battery are enclosed in the container to have no hazard as a battery. The battery is a lithium-ion rechargeable battery and its improper use may cause deformation, leakage of electrolytes (liquid in the battery), overheating, bursting, fire, or generation of stimulus/corrosive gas.
 - **ANA Integration Note:** All handling must follow EBOSS system commissioning, service, and maintenance and operating protocol.
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5. FIRST AID MEASURES

Inhalation: Move patient to fresh air. Seek medical attention if symptoms occur.

Skin Contact: Wash thoroughly with soap and water. Seek attention for irritation or inflammation.

Eye Contact: Flush eyes with water for at least 15 minutes. Seek medical attention.

Ingestion: Rinse mouth. Do not induce vomiting. Seek immediate medical care.

6. FIRE-FIGHTING MEASURES

- **Recommended Extinguishing Media:** Powder extinguisher and CO₂. Water may be used to cool surrounding area and in large volumes may be used as an extinguishing agent.
 - **Firefighting PPE:** Full respiratory protection recommended.
 - **ANA Note:** Fire response should follow ANA EBOSS emergency shutdown and LTO containment SOP.
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7. ACCIDENTAL RELEASE MEASURES

- Wear protective equipment. Avoid inhalation and skin contact with electrolyte.
 - Contain and collect solid contents. Wipe using dry, non-conductive cloth.
 - Restrict area and ventilate.
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8. HANDLING AND STORAGE

Handling Precautions

Do NOT: - Apply force to terminals - Drop, heat, disassemble, solder main battery body - Short circuit, reverse-connect, mix with other battery types - Touch leaked electrolyte without PPE

Storage Precautions

- Store in cool, dry, shaded location.
 - Avoid direct sunlight, moisture, and ignition sources.
 - ANA recommends storage per EBOSS Instruction Manual.
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9. EXPOSURE CONTROLS / PERSONAL PROTECTION

- **Normal State:** No PPE required under standard EBOSS system installation.
 - **Damaged/Leaking State:** Use gloves, eye protection, and respirator.
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10. PHYSICAL AND CHEMICAL PROPERTIES

- Not Applicable (Sealed unit). Refer to ANA EBOSS engineering specifications.
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11. STABILITY AND REACTIVITY

- Avoid short circuit conditions.
 - Heating, fire, or disassembly can cause violent electrolyte outburst.
 - ANA EBOSS integration requires insulated terminal covers during handling.
 - Do not remove battery connection or disconnect while under load.
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12. TOXICOLOGICAL INFORMATION

- Not Applicable under sealed design.
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13. ECOLOGICAL INFORMATION

- Not Applicable under sealed design.
 - Follow ANA Environmental Compliance Guide for disposal.
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14. DISPOSAL CONSIDERATIONS

- Dispose according to local regulations.
 - Contact ANA Service/Support for full Recycling Procedure
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15. TRANSPORTATION INFORMATION

Note: This information is based on the United Nations (UN) Recommendations. However, some regulations are varied depend on shipping mode and country/area. Please consult with the forwarder or airline / shipping company before the shipment of this battery.

Lithium-ion battery is categorized as the following classification of dangerous goods stipulated by UN Recommendations on the Transportation of Dangerous Goods, Model Regulations.

- **UN Number:** UN3480
- **Name:** Lithium-ion batteries
- **Class:** Class 9 (Miscellaneous Dangerous Goods)
- **Kilowatt-Hour Rating:** 25 kWh
- Transportation of lithium ion batteries shall be carried out in compliance with the relevant country or international laws and regulations.

16. REGULATORY INFORMATION

- **Reference Standards:** UN Transport of Dangerous Goods, IATA DGR, IMDG Code
- ANA compliance with U.S. DOT, Transport Canada, and CE marking where applicable.

17. OTHER INFORMATION

- Created for ANA Corp. operations utilizing data provided within Toshiba PSDS reference SB-SDS-P6005E (2021/04/01).
- This ANA PSDS shall be reviewed during annual EBOSS safety documentation audit.

Document Control – ANA

Revision: SDS-PS2501

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