Safety Data Sheet

Summit Series Energy Storage Module

Revision 2.0 | 11 Sept. 25

www.wrightenergystorage.com

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1 Product Name Identifier

1.1 Product Identifier.

1.1.1 Product Name: WEST Summit Energy Storage Module

1.1.2 Product Numbers

Summit	Double 3Three	
Summit	Triple 5Zero	
Summit	Quad 6Five	
Aeris	Double 3Three	
Aeris	Single 1Eight	

1.1.3 Product Description: The WEST Summit Energy Storage Module consists of storage cells, a battery management unit, miscellaneous electronics, wires, cables, printed circuit boards, and a protective case.

1.2 Product Use

1.2.1 Identified Uses: The product is designed as an direct current (DC) coupled energy storage system.

1.2.2 Use Restrictions

1.2.2.1 Temperature Range Do not expose the module to temperatures outside the range of -40 to 65°C.

1.2.2.2 Do not store close to heat sources, such as furnaces or open flames. Store in a dry location.

1.2.2.3 Protect the module from physical damage.

1.2.2.4 Do not open, disassemble, crush, or burn the module.

2 Details of the supplier of the Safety Data Sheet

Wright Energy Storage Technologies
379 W Broadway Ste 330
New York, NY, 10012

2.1 Emergency Telephone Number

2.1.1 Inside the United States Territories and Canada

2.1.1.1 646-763-0014

2.1.2 Outside the United States Territories and Canada

2.1.2.1 646-763-0014

3 Hazard Identification

3.1 Hazard Classification and Hazard Statement

This product is classified as a manufactured item and poses minimal health risks during normal use. Improper use, such as intentional destruction, overcharging, or heating, may cause internal components within the sealed case to be released.

The internal components of this product are combustible and can ignite if a failure occurs or if they come into contact with an ignition source or direct flame. If the module catches fire, the chemicals inside may decompose and release toxic gases (e.g., nitrogen oxides, carbon oxides, hydrogen cyanide, hydrogen fluoride, and other fluoride and boron compounds). During a fire, caution should be taken to avoid inhaling fumes. Misuse, such as overcharging, may cause the product to vent, which could release these toxic fumes.

When the storage cells burn, the generated steam might irritate eyes, skin, and throats. Composition Information on Ingredients

3.2 Substances

3.2.1 As a solid manufactured product, exposure to hazardous ingredients is not expected during normal use.

Component	Elements	Content
Cell Anode	Active Carbon/Active Metals	30%
Cell Cathode	Active Carbon/Active Metals	30%
Cell Electrolyte	Lithium Salt/Water Carbonate	10%
Casings	Aluminium	10%
Controller	PC boards and electronics	10%
Connectors	Copper wire and insulation	<10%

4 First-Aid Measures

4.1 General

4.1.1 The module contains an organic electrolyte, which is sealed in multiple layers of protective cases. The risk of exposure only occurs if the cell is mechanically, thermally, or electrically damaged to the point of compromising the enclosure. If the storage cell is physically damaged and causes electrolyte leakage, the initial care measures listed below should be taken for anyone who has been exposed.

4.2 Description of First Aid Measures

4.2.1 General advice

4.2.1.1 Move the victim to fresh air and out of the dangerous area.

4.2.1.2 Show this Safety Data Sheet to attending medical professionals.

4.2.1.3 Quickly transport the victim to emergency care in the event of eye contact, skin irritation, ingestion, or inhalation.

4.2.2 Eye Contact: Immediately rinse the eyes with plenty of clean water for at least 15 minutes, without rubbing. If proper procedures are not followed, this may cause eye irritation. Seek medical attention if eye irritation occurs.

4.2.3 Skin Contact: Remove all contaminated clothing and wash it immediately before reuse. Rinse skin with water. If proper procedures are not followed, this may cause skin irritation. Seek medical attention if skin irritation occurs.

4.2.4 Inhalation Contact: Move the victim to fresh air immediately and remove the source of contamination from the area. Seek medical attention.

4.2.5 Ingestion: Have the victim rinse their mouth thoroughly with water. Seek medical attention.

5 Fire-fighting Measures

5.1 General:

5.1.1 Energy storage cells contain flammable liquid electrolyte that may vent, ignite, and produce sparks when exposed to high temperatures (> 150 °C or 302 °F).

5.2 Extinguishing Media

5.2.1 Fire extinguisher.

5.2.2 Additional extinguishing media include carbon dioxide, alcohol-resistant foams, or water spray.

5.2.3 Water.

6 Accidental Release Measures

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

6.1.1 Evacuate personnel to a safe area and keep unauthorized personnel away.

6.1.2 Isolate the spill area to a minimum distance of 25 meters (75 feet)

6.1.3 Eliminate all ignition sources (no smoking, sparks, flames, hot equipment) in the immediate area around the spill.

6.1.4 Do not touch or walk through spilled material.

6.1.5 Avoid breathing vapours. Ensure adequate ventilation.

6.2 Environmental Precautions

6.2.1 Absorb spilled material with a non-combustible, non-reactive absorbent. Prevent migration into soil, sewers, and natural waterways.

6.3 Methods and Materials for Containment and Clean-Up

6.3.1 Contaminant handling and cleanup should only be performed by qualified personnel.

7 Handling and Storage

7.1 Precautions for Safe Handling

7.1.1 Prevent mechanical damage to the module. Do not open or disassemble it.

7.1.2 Avoid short-circuiting the module. Remove jewellery items, such as rings, wristwatches, and pendants, that could come into contact with the module terminals if exposed.

7.1.3 Never use a module that has been mishandled. Refer to the data sheet for safe operating instructions.

7.2 Conditions for Safe Storage

7.2.1 Store indoors and on pallets or similar devices to allow visible inspection for any leaks and to prevent the items from coming into contact with water or salt spray.

7.2.2 Store in a dry, cool place away from heat sources, such as furnaces and open flames. Do not expose the module to temperatures outside the range of -40°C to 80°C.

7.2.3 Do not open, dismantle, crush, or burn the module.

7.2.4 Store in an upright position and in areas unlikely to be disturbed or damaged by personnel, equipment, or vehicles.

7.2.5 Do not store unboxed items near sources of sparks within 30 cm, in direct sunlight, exposed to exhaust gases like those from automobiles, or in areas with continuous or intermittent vibration.

8 Exposure Controls and Personal Protection

8.1 General:

8.1.1 As a sealed, intact, manufactured item, exposure to individual components is not possible. If this product leaks, fails, is cut, or is otherwise manipulated in a way that releases the contents, exposure to the internal components is possible. The only internal component that can disperse is the electrolyte.

9 Physical and Chemical Properties

9.1 Appearance (color, physical form, shape):

9.1.1 Finished commercial product. Various sizes and shapes.

9.2 Volatile Organic Compound (VOC) Content:

9.2.1 Not applicable. Product not regulated for VOC content at state or federal level.

10 Stability and Reactivity

10.1 Reactivity

10.1.1 No data available.

10.2 Chemical Stability

10.2.1 The modules are stable under normal use and in normal storage conditions.

10.3 Possibility of Hazardous Reactions

10.3.1 Fire may occur if the module has physical damage or is exposed to high temperature conditions.

10.3.2 Do not expose the module to temperatures outside the range of -40°C to 65°C.

10.3.3 Do not disassemble, crush, short, or install with incorrect polarity. Avoid mechanical or electrical abuse, as well as electrical shorts.

10.4 Conditions to Avoid

10.4.1 Avoid exposure to or contact with sparks, flames, or other sources of ignition, extreme temperatures, and incompatible chemicals.

10.5 Incompatible Materials

10.5.1 Electrolyte Solution: Strong reducing agents, strong oxidizers, strong acids, diphenyl sulfoxide, trichlorosilane, n-fluoro compounds, nitrating agents.

11 Toxicological Information

11.1 Likely Exposure Routes

11.1.1 Under normal conditions of use, this product meets OSHA's definition of an article and is exempt from SDS requirements. However, in cases of damage, misuse, or end-of-life handling, exposure to hazardous materials may occur.

12 Ecological Information

No ecological effects reported

13 Document Version Information

Revision	Date	Authors	Approved	Changes
1.0	07/05/2025	B Belcher		Initial release
2.0	09/11/2025	B Belcher	Billy de Jong	Simplified

14 Transportation

U.S. DEPARTMENT OF TRANSPORTATION: This product is NOT classified as dangerous goods, per U.S. DOT regulations (see §173.176). Super Capacitors as articles are not specifically listed nor exempted from hazardous materials regulations (HMR). The WEST Super Capacitors are certified by Intertek as UL 810A (report number 105739239DAL-001A) compliant and do not exhibit any signs of thermal runaway. The materials comprising the Super Capacitors are "…in a quantity and form that does not pose a hazard in transportation." Therefore, the Super Capacitors are not subject to the HMR.

TRANSPORT CANADA TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: This product is NOT classified as dangerous goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA): This product is NOT classified as dangerous goods under rules of IATA (see A186, SP361).

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION: This product is NOT classified as dangerous goods by the International Maritime Organization (see 36-12).

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):
This product is NOT classified by the United Nations Economic Commission for Europe to be dangerous goods (see SP 361).

AUSTRALIAN FEDERAL OFFICE OF ROAD SAFETY CODE FOR THE TRANSPORTATION OF DANGEROUS GOODS BY ROAD OR RAIL: This product is NOT classified as dangerous

goods, per regulations of the Australian Federal Office of Road Safety.

Do not expose the module to temperatures outside the range of -40°C to 80°C.

Store in an upright position and in areas unlikely to be disturbed or damaged by personnel, equipment, or vehicles.

Do not store unboxed items near sources of sparks within 30 cm, in direct sunlight, exposed to exhaust gases like those from automobiles, or in areas with continuous or intermittent vibration