



上海海关工业品与原材料检测技术中心

Technical Center for Industrial Products and Raw Materials Inspection and Testing of Shanghai Customs District
上海市浦东新区沅北路299号 No.299, Mianbei Road, Pudong New District, Shanghai, China TEL: +86 21 68549152



中国认可
检验
INSPECTION
CNAS IB0445

REPORT OF SAFETY DATA SHEET

No: 9260531780

Date: Jun.9, 2026

Sample name	Rechargeable Li-ion Battery System
Model	IA-125kW/261kWh-CG10
Applicant	WEIHENG INTELLIGENT TECHNOLOGY CO., LTD.
Supplier	WEIHENG INTELLIGENT TECHNOLOGY CO., LTD.
Compositoins	Lithium iron Phosphate:39.6%; Graphite:20.1%; Ethylene carbonate:6.0%; Dimethyl Carbonate:6.0%; Copper:5.4%; Ethyl methyl carbonate:4.9%; Aluminum:3.8%; Separator:2.3%; Lithium hexafluorophosphate: 2.3%; Styrene butadiene rubber:0.8%; Carbon black:0.8%; Poly(vinylidene fluoride):0.7%; Sodium carboxymethyl cellulose:0.3%;
Compilation basis	GB/T 16483-2008 Safety data sheet for chemical products-Content and order of sections; Globally Harmonized System of classification and labelling of chemicals (Rev.11)
SDS please see the annex.	

Authorized Signature(s):

Official stamp:

This report is valid before the implementation of the 12th revised edition of the GHS.

识别码: yimg4s





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SAFETY DATA SHEET

SDS

SECTION 1: PRODUCT AND SUPPLIER IDENTIFICATION

Product identifier: Rechargeable Li-ion Battery System

Model: IA-125kW/261kWh-CG10

Supplier's details:

Supplier's name: WEIHENG INTELLIGENT TECHNOLOGY CO., LTD.

Full address: No.99, Luoqi Road, Huishan District, Wuxi City, Jiangsu Province, China

Telephone: +86-4008776999

Zip Code: 214000

E-mail: xu.jiangtao@weiheng-tech.com

Emergency phone number: +86-0510-83809998

SECTION 2: HAZARDS IDENTIFICATION

Classification according to Globally Harmonized System of classification and labelling of chemicals (GHS):

2.1 Classification of the mixture:

According to the United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS)(Rev.11)Part 1.3.2.1.1,"Articles" as defined in the Hazard Communication Standard (29 CFR 1910.1200)of the Occupational Safety and Health Administration of the United States of America,or by similar definitions,are outside the scope of the system.

Hazard description: Under normal operating conditions of the battery, as long as the integrity of the battery is maintained, the electrode materials and the contained liquid electrolyte will not react. There is only a risk of exposure in the event of mechanical, electrical or thermal abuse. Therefore, the battery should not be short-circuited, overcharged or over-discharged, punctured, incinerated, crushed, immersed in water, or exposed to temperatures beyond the battery's temperature range. In these situations, there is a risk of fire or explosion.

2.2 GHS label elements, including precautionary statements:

Pictograms:Not applicable

Signal word: Not applicable

Hazard statement(s): Not applicable

Precautionary statement(s):

Prevention

Obtain,read and follow all safety instructions before use.

Do not subject to grinding/shock/friction.

Do not pierce or burn,even after use.





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Avoid direct sunlight.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Use only outdoors or in a well-ventilated area.
Do not charge more than the maximum charge rate.
Do not disassemble or modify the Cell.
Check the orientation of the cathode and anode terminals before packaging.
The terminal or wire is connected to the cell module, pay attention to the insulation to prevent short circuit.
Do not wear metal accessories (such as rings, watches, accessories, etc.) when handling cell units.
Do not mix with other cell or module units.
Do not use both new and old cell in pack.
Do not put the cell in a microwave or high pressure container.
Do not connect the positive and negative terminals with conductive materials.
Do not allow to wet or immerse the cell in water or sea water.
Do not use the battery in a manner other than the manufacturer's written agreement.

Response

IF SWALLOWED: Get emergency medical help immediately.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Get medical help if you feel unwell.
Wash contaminated clothing before reuse.
In case of fire: Use water, carbon dioxide to extinguish.
Absorb spillage to prevent material damage.

Storage

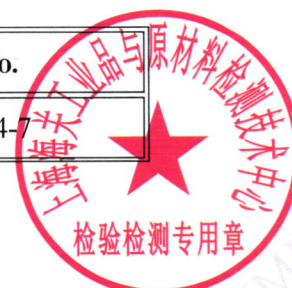
Store in a cool, dry and well-ventilated place. Do not place the cell at a temperature higher than 60°C.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations (to be specified).

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Components	Concentration(%)	CAS No.
Lithium iron phosphate	39.6	15365-14-7





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Graphite	20.1	7782-42-5
Ethylene carbonate	6.0	96-49-1
Dimethyl Carbonate	6.0	616-38-6
Copper	5.4	7440-50-8
Ethyl methyl carbonate	4.9	623-53-0
Aluminum	3.8	7429-90-5
Separator	2.3	9002-88-4
Lithium hexafluorophosphate	2.3	21324-40-3
Styrene butadiene rubber	0.8	9003-55-8
Carbon black	0.8	1333-86-4
Poly(vinylidene fluoride)	0.7	24937-79-9
Sodium carboxymethyl cellulose	0.3	9004-32-4

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures

If inhaled

Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.

In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: FIRE-FIGHTING MEASURES





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5.1 Extinguishing media

Suitable extinguishing media

Water, carbon dioxide.

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end uses

No data available

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters: No data available





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8.2 Exposure controls

Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Eye Protection Safety glasses with side-shields

Hand Protection Protective gloves

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure

Respiratory Protection Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: white shell battery

Odor: No data available

pH: No data available

Melting point(°C): No data available

Boiling point(°C): No data available

Flash point(°C): No data available

Upper/lower flammability or explosive limits: No data available

Vapour pressure: No data available

Vapour density: No data available

Density/Relative density: No data available

Solubility: No data available

Octanol-water partition coefficients: No data available

ignition temperature(°C): No data available

Decomposition temperature: No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No data available

SECTION 11: TOXICOLOGICAL INFORMATION





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- 11.1 Acute toxicity:** No data available
- 11.2 Skin corrosion/irritation:** No data available
- 11.3 Serious eye damage/eye irritation:** No data available
- 11.4 Respiratory or skin sensitization:** No data available
- 11.5 Germ cell mutagenicity:** No data available
- 11.6 Carcinogenicity:** No data available
- 11.7 Reproductive toxicity:** No data available
- 11.8 Specific target organ toxicity - single exposure:** No data available
- 11.9 Specific target organ toxicity - repeated exposure:** No data available
- 11.10 Aspiration hazard:** No data available
- 11.11 Potential health effects:** No data available

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity:** No data available
- 12.2 Persistence and degradability:** No data available
- 12.3 Bioaccumulative potential:** No data available
- 12.4 Mobility in soil:** No data available
- 12.5 Results of PBT and vPvB assessment:** No data available
- 12.6 Other adverse effects:** No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

SECTION 14: TRANSPORT INFORMATION

ADR(2025 edition):

UN number: UN 3480

UN proper shipping name: Lithium ion batteries

Transport hazard class(es): 9

Packaging group: The packaging requirements are in accordance with UN3480

According to 2.2.9.1.7(g), Except for button cells installed in equipment (including circuit boards), manufacturers and subsequent distributors of cells or batteries manufactured after 30 June 2003 shall make available the test summary as specified in the *Manual of Tests and Criteria*, Part II, sub-section 38.3, paragraph 38.3.5.

Road transportation in China shall comply with the requirements of JT/T 617-2018





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IATA DGR(67th edition):

UN number:UN 3480

UN proper shipping name: Lithium ion batteries

Transport hazard class(es):9

Packaging group: The packaging requirements are in accordance with PI 965.

According to 3.9.2.6.1(g), Except for button cells installed in equipment (including circuit boards), manufacturers and subsequent distributors of cells or batteries manufactured after 30 June 2003 shall make available the test summary as specified in the *Manual of Tests and Criteria*, Part III, sub-section 38.3, paragraph 38.3.5.

IMDG CODE(Amendment 42-24,2024 edition) :

UN number:UN 3480

UN proper shipping name: Lithium ion batteries

Transport hazard class(es):9

Packaging group: The packaging requirements are in accordance with UN3480

According to 2.9.4.7, Except for button cells installed in equipment (including circuit boards), manufacturers and subsequent distributors of cells or batteries manufactured after 30 June 2003 shall make available the test summary as specified in the *Manual of Tests and Criteria*, Part III, sub-section 38.3, paragraph 38.3.5.

UN TDG (24th revised edition) :

UN number:UN 3480

UN proper shipping name: Lithium ion batteries

Transport hazard class(es):9

Packaging group: The packaging requirements are in accordance with UN3480

According to 2.9.4(g), Except for button cells installed in equipment (including circuit boards), manufacturers and subsequent distributors of cells or batteries manufactured after 30 June 2003 shall make available the test summary as specified in the *Manual of Tests and Criteria*, Part III, sub-section 38.3, paragraph 38.3.5.

SECTION 15: REGULATORY INFORMATION

Law of the People's Republic of China on Prevention and Control of Occupational Diseases.

Regulations on the Safety Management of Hazardous Chemicals.

Regulations on the Safe Use of Chemicals in the Workplace.

GBZ2.1-2019 Occupational exposure limits for hazardous agents in the workplace-Part 1: Chemical hazardous agents.

JT/T 617-2018 Regulations concerning road transportation of dangerous goods.

Globally Harmonized System of classification and labeling of chemicals (Rev.11)

Recommendations on the transport of dangerous goods Model Regulations (24th revised edition) .

International Maritime Dangerous Goods(Amendment 42-24,2024 edition).





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Agreement Concerning the International Carriage of Dangerous Goods by Road(2025 edition).
Dangerous goods regulations(67th edition).

SECTION 16: OTHER INFORMATION

Other information:

The SDS is prepared according to the requirement of Globally Harmonized System of classification and labelling of chemicals (GHS) (Rev.11 2025 Edition) and GB/T16483-2008. The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. This SDS describes certain hazards of the product, but it does not guarantee that all hazards are covered. Users must refer to the above data, formulate safety operating procedures, and assume corresponding responsibilities in compliance with laws, regulations and technical specifications. This SDS does not represent the product's specifications.

Compiled by: TECHNICAL CENTER FOR INDUSTRIAL PRODUCTS AND RAW MATERIALS
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