

Safety Data Sheet

SECTION 1. IDENTIFICATION

Product Name	Rechargeable Li-ion Battery System
Models	EverCore-100kWh-PRO
Battery Capacity	100kwh
Battery Voltage	320V
Importer business name	Solis Australasia Pty Ltd
Importer address	5/109 Tulip Street, Cheltenham, VIC 3192
Importer phone number	1800928995
Importer email	service@solisinverters.com.au
Emergency contact phone	1800928995

SECTION 2. HAZARDS IDENTIFICATION

Hazard label (CN)	
Hazard classification according to GHS	The product meets the definition of "article". In the Globally Harmonized Chemical Classification and Labeling System (GHS), the "articles" defined by the US Occupational Safety and Health Administration "Hazard Communication Standard" (29 CFR 1910.1200) or similar definitions do not fall within the scope of this system. [Rev.11 (2025) Part 1.3.2.1.1]. According to GHS system (11th revised edition), not classified as a hazardous chemical.

SECTION 3. COMPOSITION & INFORMATION ON INGREDIENTS

Component	CAS No.	EC No.	Concentration (weight Percent, %)
Lithium iron phosphate	15365-14-7	604-917-2	40
Graphite	7782-42-5	231-955-3	21
Aluminum	7429-90-5	231-072-3	7.8
Others	1333-86-4	215-609-9	7.6
Others	308068-56-6	608-533-6	
Others	25037-45-0	607-501-9	
Others	9003-07-0	618-352-4	
Copper	7440-50-8	231-159-6	6.2
EMC	623-53-0	433-480-9	4.3
EC	96-49-1	202-510-0	3.7
DMC	616-38-6	210-478-4	3.5
Lithium hexafluorophosphate	21324-40-3	244-334-7	2.9
High molecular polymer	9003-55-8	618-370-2	1.8
High molecular polymer	9004-32-4	618-378-6	
High molecular polymer	24937-79-9	607-458-6	
PE	9002-88-4	618-339-3	1.2

SECTION 4. FIRST AID MEASURES

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Skin contact	No harm in general situations. First aid is not needed.
Ingestion	Never give anything by mouth to an unconscious person. Call a physician immediately.
Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen and consult a physician immediately.
Protecting first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Small fire or fire involving small battery: water spray only Large fire or fire involving large battery or multiple small batteries: Allow battery fire to burn itself out and protect surroundings. Safely remove undamaged containers from area. Apply water spray to neighboring batteries to reduce the spread of the hazard. A lithium-ion battery fire may reignite at any point after the initial fire is extinguished, up to weeks later. Use thermal imaging, if available, to continuously monitor the battery. Reignition can be accompanied by off gassing of white smoke or electrical arcs or sparks that reignite with visible flames or fire.
Unsuitable extinguishing media	Small fire or fire involving small battery: Do not use dry chemical, CO ₂ or Halon®. The use of salt water for firefighting is not recommended since it may increase production of hydrogen and hydrogen fluoride gas.
Special protective equipment and precautions for fire-fighters	As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear. Fight fire from a safe distance, with adequate cover. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment, do not breathe dust/fume.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided.
Methods and materials for containment and cleaning up	Keep leaks in a ventilated place. Cut off the source of the leak as much as possible. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations. Isolation of contaminated areas and restrictions on access. It is recommended that emergency personnel wear dust masks. Collect the spill with a clean shovel and place it in a clean, dry, loosely closed container and move the container away from the leak.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling	Handling is performed in a well-ventilated place. Wear suitable protective equipment. Avoid contact with skin and eyes. Keep away from heat/sparks/open flames/ hot surfaces.
Conditions for safe storage, including any incompatibilities	Keep containers tightly closed. Keep containers in a dry, cool and well-ventilated place. Keep away from heat/sparks/open flames/hot surfaces. Store away from incompatible materials and foodstuff containers.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Set up emergency exit and necessary risk-elimination area. Handle in accordance with good industrial hygiene and safety practice.
Personal protection equipment	Eye protection In general situation, eye protection is not needed. In the production process, when contacting with vapor or dust, tightly fitting safety goggles. Hand protection In general situation, hand protection is not needed. Respiratory protection In general situation, respiratory protection is not needed. If exposure limits are exceeded or if irritation or other symptoms are experienced, wear dust proof mask or gas defense mask. Skin and body protection In general situation, skin and body protection are not needed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Lithium-ion batteries
Colour	White
Odor	No special odor
Flammability	Not flammable
Solubility	Insoluble in water

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	Reacts with Hg severely and forms amalgam.
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	Oxidants, halogen, interhalogen and mercury.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Information available for the product: No specific acute toxicity data exists for this product. Batteries consist of a hermetically sealed metallic container containing a number of chemicals and materials of construction that may be hazardous upon release. Over exposure considered unlikely unless battery ruptures and contact with contents occurs. Contents may be harmful.
Inhalation	Toxicity data and effects of inhalation exposure are not available. Not a likely route of exposure under normal use
Ingestion:	Toxicity data and effects of ingestion exposure are not available. Not a likely route of exposure under normal use.
Skin Contact	Toxicity data and effects of skin contact exposure are not available. Not a likely route of exposure under normal use.
Eye Contact	Toxicity data and effects of eye contact exposure are not available. Not a likely route of exposure under normal use
Early onset symptoms and delayed health effect from exposure	Please see SECTION 4 of this SDS for symptoms.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	Not determined.
Bioaccumulative potential	Not determined.
Mobility in soil	Not determined.
Other adverse effects:	Not determined.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
Disposal recommendations	Refer to section waste chemicals and contaminated packaging.

SECTION 14. TRANSPORT INFORMATION

This Product listed in Section 1 is designed to comply with standard international shipping regulations including the UN Recommendations on the Transport of Dangerous Good; the IATA Dangerous Goods Regulations and the International Maritime Dangerous Goods Code.	
UN Number	3480
Proper Shipping Name	Lithium-ion Battery
Transport Hazard Class	9
Packing Group	II

SECTION 15. REGULATORY INFORMATION

Component	A	B	C	D	E	F	G	H	I	J	K	L	M
Lithium iron phosphate	✓	×	✓	✓	×	×	✓	×	×	×	×	✓	✓
Graphite	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓
Aluminium	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓
Others	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓
Others	×	×	×	×	✓	×	×	✓	×	×	×	✓	✓
Others	✓	×	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓
Others	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Copper	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓	✓	✓
EMC	✓	×	✓	×	×	✓	✓	×	✓	✓	×	✓	✓
EC	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	✓	✓
DMC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Lithium hexafluorophosphate	✓	✓	✓	×	×	✓	✓	✓	×	✓	×	✓	✓
High molecular polymer	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
High molecular polymer	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
High molecular polymer	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	×	✓	✓
PE	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

International chemical inventory	
【A】	China Inventory of Existing Chemical Substances(IECSC)
【B】	European Inventory of Existing Commercial Chemical Substances(EC inventory)
【C】	United States Toxic Substances Control Act Inventory(TSCA)
【D】	Canadian Domestic Substances List(DSL)
【E】	New Zealand Inventory of Chemicals(NZIoC)
【F】	Philippines Inventory of Chemicals and Chemical Substances(PICCS)
【G】	Korea Existing Chemicals Inventory(KECL)
【H】	Australian. Inventory of Industrial Chemical (AIIC)
【I】	Japan Inventory of Existing & New Chemical Substances(ENCS)
【J】	Thailand Existing Chemicals Inventory(TECI)
【K】	Mexico National Inventory of Chemical Substances(INSQ)
【L】	Russia Inventory of Existing Substances(DRAFT)
【M】	Inventory of Existing Chemical Substances in Taiwan, China(TCSI)

SECTION 16. OTHER INFORMATION

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Reason for revision

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