

The product referenced herein is considered to be an “article” and therefore is excepted from UK Reach and the requirements of Article 31.

The European Classification and Labelling Regulation (EC) No 1272/2008 (CLP) and the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals exempt articles from the Safety Data Sheet requirements.

This Product Information Sheet is voluntary and has been provided as a service to our customers and is not based upon any requirement or regulation.

1. Chemical and Enterprise Identification

Product Name: Rechargeable Li-ion Battery

Model: LIBBI-B05H, LIBBI-B10H, LIBBI-B15H, LIBBI-B20H

Product Description: Rating – 51.2Vd.c., 100Ah, 5.12kWh
Weight – Approx. 57.6kg
Dimensions – Max. 240 x 540 x 530mm

Details of Supplier of the Product Information Sheet

Initial Supplier Identifier: myenergi Ltd

Address: Pioneer Business Park, Faraday Way, Stallingborough, DN41 8FF

Telephone: 033 3300 1303

Website: www.myenergi.com

Revision: 1.0

Issue Date: 17/10/2022

Review Date: 17/10/2023

2. General Safety

Classification: Lith-ion Battery System

Hazard Statement: This product, when used under reasonable conditions and in accordance with the directions for its intended use, should not present a health hazard. The mixture is encapsulated in the product.

3. Ingredients / Composition Information

Pure Chemical Mixture

Chemical Name	CAS No.	Weight (%)	Remark
Lithium Iron Phosphate (LiFePO4)	15365-14-7	20-40	-
Lithium Hexafluorophosphate	21324-40-3	10-20	-
Aluminium	7429-90-5	10-20	-
Graphite	7782-42-5	10-20	-
Copper	7440-50-8	7-13	-
Poly (Vinyl Chloride)	9002-86-2	1-5	-

4. First Aid Measures

Lithium Ion batteries are not dangerous when undamaged and used and stored as directed for its intended purpose. In the unlikely event the battery leaks and you come into contact with the internal substance, undertake the following measures:

- **Skin Contact** – In case of contact with skin, wash immediately with soap and copious amounts of water
- **Eye Contact** – In case of contact with eyes, hold eyelids open and flush eyes with clean water for 15 minutes. THEN, seek medical attention.
- **Inhalation** – If inhaled, move yourself to a ventilated space or fresh air. If breathing becomes difficult, give Oxygen and seek medical attention. If casualty stops breathing, begin CPR procedure and call 999.
- **Ingestion** – If swallowed, wash out mouth with water (providing the affected person is conscious). Seek medical attention.

5. Fire-fighting Measures

In the event of a fire where the product is stored follow the information as directed:

- **Characteristics of hazard:** Toxic fumes; gases and/or vapours may evolve when burned
- **Hazardous Combustion Products:** CO, CO₂, HF, Phosphorous fluoride
- **Fire-extinguishing Methods and Extinguishing Media:** Copious amounts of cold water are an effective extinguishing medium for lithium-ion batteries. Don't use warm or hot water. To control/stop a thermal battery event where only the product is involved, use a large amount of clean/dry sand to immediately smother the thermal reaction
- **Attention in Fire-extinguishing:** Firefighters should wear self contained breathing apparatus.

6. Handling and Storage

The battery should not be destroyed, opened or incinerated as this may lead to leakage or rupture and release the substances contained within. Do not short circuit terminals, over charge the battery, or throw into a fire. Do not crush or puncture the battery or immerse in any liquids.

Precautions when handling and storing

Avoid mechanical or electrical abuse. Store in a cool, dry and ventilated area which is subject to little temperature change. Avoid storing at high temperatures. Do not place battery near heating equipment or expose to direct sunlight for long periods.

Other precautions

The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not install without correct polarity.

Personal Protection Equipment

Not necessary under conditions of normal use but its recommended to wear respiratory protection, protective gloves, protective clothing and safety glasses with side shields when venting the battery.

7. Disposal Considerations

The product should be recycled or disposed in accordance with country specific regulations. The product contains recyclable materials and should not be treated as a municipal waste stream. A disposal service is offered upon request. Refer to the following link for battery treatment or recycling options. Do not dispose into a fire or placed in high temperatures.

Note: According to the EU Battery Directive, Batteries are marked with the symbol of the crossed-out wheeled bin (see figure 1). The symbol reminds the end user that batteries are not permitted to be disposed of with household waste but must be collected separately.

Figure 1



8. Transport Information

UN No.: UN3480, UN3481

Shipping Name: Lithium ion batteries (Including lithium ion polymer batteries) or;
Lithium ion batteries contained in equipment (Including lithium ion polymer batteries) or;
Lithium ion batteries packed with equipment (Including lithium polymer batteries)

Labels for Package: Class 9

ICAO / IATA	(ICAO), TI (IATA), DGR 63rd (2022), (PI) 965 Section IA, (PI) 966 Section I, (PI) 967 Section I. Can be shipped by air in accordance with International Civil Aviation Organization (ICAO), Section IA, PI 966 Section I and PI 967 Section I appropriate of IATA DGR 63 rd (2022 Edition) for transportation.
IMDG CODE	International Maritime Dangerous Goods Code 40-20
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road – ADR 2021.
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail – ADR 2021

The dangerous goods regulations require that each battery design be subject to tests contained in Section 38.3 of the UN Manual of Tests and Criteria prior to being offered for transport.

9. Regulatory Information

EU Battery Directive: See section 7 of this document.

Transport Regulations: See section 8 of this document

10. Other Information

The product is defined as an article has no requirement for a Safety Data Sheet according to UK Reach. The product information sheet is to provide assistance to our customers. All users should consider any other sources and information gathered to assure proper use and disposal of the product including the health and safety of employees and customers.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages. Users should read this file carefully and use the batteries in the correct method.