

SAFETY DATA SHEET

1 Product & Company Identification

Product Identification

Chinese Name	可充电锂离子电池组
English Name	Rechargeable Li-ion Battery
Proper Shipping Name	Lithium-Ion Battery
Product Description	Rechargeable lithium-ion battery
Model Name	1) JKS-B9637-CS, 2) JKS-B19237-CS, 3) JKS-B28837-CS, 4) JKS-B38437-CS, 5) JKS-B48037-CS, 6) JKS-B57637-CS
UN No.	UN3480
UN38.3 Report No.	20220506J12754
Capacity	37Ah
Nominal voltage	1) 96V, 2) 192V, 3) 288V, 4) 384V, 5) 480V, 6) 576V
Watt-hour	1) 3552Wh, 2) 7100 Wh, 3) 10660 Wh, 4) 14210Wh, 5) 17760 Wh, 6) 21310 Wh,
Equivalent lithium content	/
Approximate Weight	1) 41KG, 2) 105KG, 3) 146KG, 4) 187KG, 5) 228KG, 6) 269KG

Safety Data Sheet Provider Information


Importer	JINKO SOLAR AUSTRALIA HOLDINGS CO.PTY LTD.
Address	Suite 26, Level 2, 152 Marsden Street, Parramatta NSW 2150;
Importer Telephone	0404981064 1300 326182
Importer Contact	Dan Su E-Mail: dan1.su@jinkosolar.com
Manufacturer	Jinko Solar Co., Ltd.
Address	No.1, Yingbin Road, Economic Development Zone, Shangrao City, 334100 Jiangxi, P.R. China
Factory	Daqin New Energy Tech(Taizhou) Co., Ltd.
Address	199 Keji Road ,Sanshui Street ,Jiangyan District ,Taizhou City
Postcodes	518100
Telephone	+86 13818654811
E-mail Address	xiaojing.yao@jinkosolar.com

Emergency call

Emergency call	1300 326182
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2 Hazardous Identification

As a whole, the battery is not dangerous in the correct use.

Hazard Label	
Explosive risk	This article does not belong to the explosion dangerous goods
Flammable risk	This article does not belong to the flammable material
Oxidation risk	This article does not belong to the oxidation of dangerous goods
Toxic risk	This article does not belong to the toxic dangerous goods
Radioactive risk	This article does not belong to the radiation of dangerous goods
Mordant risk	This article does not belong to the corrosion of dangerous goods
Other risk	The product belongs to lithium iron phosphate battery pack, Watt hour rate 5120 Wh, which belong to the miscellaneous dangerous goods, as is described in IMDG CODE and IATA DGR.

3 Composition /Information on Ingredients

Important note: The battery should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be harmful.

| PACK Composition

MATERIAL OR INGREDIENT
Container, Steel Support and Control System (Note: Non-dangerous chemical)
Batteries(The composition of the battery reference to the following table)

| Composition of battery

(Note: The percent in following table is only for the weight of battery)

Chemical Composition	Content/%	CAS No.
LiFePO4	25~35	15365-14-7
Carbon	12~22	7440-44-0
Electrolyte-LiPF6	-	21324-40-3
Electrolyte-Solvent	18~25	-
PP/PE	2~6	-
Copper	10~18	7440-50-8
Aluminum	10~20	7429-90-5

4 First Aid Measures

Under normal conditions of use, the battery is hermetically sealed.

Eye Contact	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin	Remove contaminated clothes and rinse skin with plenty of water or shower for 15 minutes. Get medical aid.
Ingestion	Give at least 2 glasses of milk or water. Induce vomiting unless patient is unconscious. Call a physician.
Inhalation	Remove from exposure and move to fresh air immediately. Use oxygen if available.

5 Fire Fighting Measures

Extinguishing media

Flash Point	N/A
Auto-ignition Temperature	N/A
Extinguishing Media	Water, CO ₂
Special Fire-fighting Procedures	Self-contained breathing apparatus
Unusual Fire and Explosion Hazards	Cell may vary When subjected to excessive heat-exposing battery contents
Hazardous Combustion	Carbon monoxide, carbon dioxide, lithium oxide fumes

6 Accidental Release Measures

Steps to be taken in case Material is Released or Spilled

If the battery material is released, remove personnel from area until fumes dissipate. Provide maximum ventilation to clear out hazardous gases. Wipe it up with a cloth, and dispose of it in a plastic bag and put into a steel can. The preferred response is to leave the area and allow the battery to cool and vapors to dissipate. Provide maximum ventilation. Avoid skin and eye contact or inhalation of vapors. Remove spilled liquid with absorbent and incineration.

Waste disposal Method

Despite being rechargeable, the battery has a limited life span, replace when usage time between charges becomes short.

Please waste batteries properly deal with security and do not put in fire or liquids.

7 Handling & Storage

The battery should not be opened, destroyed or incinerate, since they may leak or rupture and release to the environment the ingredients that they contain in the hermetically sealed container. Do not short circuit terminals, or over charge the battery, forced over-discharge, throw to fire. Do not crush or puncture the battery, or immerse in liquids.

Precautions to be taken in handling and storing

Avoid mechanical or electrical abuse. Storage preferably in cool, dry and ventilated area, which is subject to little temperature change. Storage at high temperatures should be avoided. Do not place the battery near heating equipment, nor 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 short or install with incorrect polarity.

8 Exposure Control/Personal Protection

Respiratory Protection	In case of battery venting, provide as much ventilation as possible. Avoid confined areas with venting cell cores. Respiratory Protection is not necessary under conditions of normal use.
Ventilation	Not necessary under conditions of normal use.
Protective Gloves	Not necessary under conditions of normal use.
Other Protective Clothing or Equipment	Not necessary under conditions of normal use.
Personal Protection is recommended for venting battery	Respiratory Protection, Protective Gloves, Protective Clothing and safety glass with side shields.

9 Physical and Chemical Properties

Appearance	Quadrangle shape
Odor	If leaking, smells of medical ether
pH	Not applicable as supplied
Flash Point	Not applicable unless individual components exposed
Flammability	Not applicable unless individual components exposed
Relative density	Not applicable unless individual components exposed
Solubility (water)	Not applicable unless individual components exposed
Solubility (other)	Not applicable unless individual components exposed

10 Stability & Reactivity

Important note: If leaked, forbidden to contact with strong oxidizers、 mineral acids、 strong alkalies or halogenated hydrocarbons.

Stability	Product is stable under conditions described in Section 7.
Conditions to Avoid	Heat above 70°C or incinerate、 deform、 mutilate、 crush、 disassemble、 overcharge、 short circuit or expose over a long period to humid conditions.
Materials to avoid	Oxidizing agents, alkalis, water.
Hazardous Decomposition Products	Toxic Fumes, and may form peroxides.
Hazardous Polymerization	N/A

11 Toxicological information

Signs & symptoms	None, unless battery ruptures.
Inhalation	Lung irritant.
Skin contact	Skin irritant
Eye contact	Eye irritant
Ingestion	Poisoning if swallowed.
Medical conditions generally aggravated by exposure	In the event of exposure to internal contents, moderate to server irritation, burning and dryness of the skin may occur, Target organs nerves, liver and kidneys.

Important note: In the event of exposure to internal contents, vapour fumes may be very irritating to the eyes and skin.

12 Ecological information

There is no influence to ecology and environment when used properly.

13 Disposal considerations

Deserted batteries couldn't be treated as ordinary trash. Be put to garbage box which recycle batteries after being placed into plastic bags or be dealt as special trash. Couldn't be thrown into fire or placed in high temperature. Couldn't be dissected, pierced, crushed or treated similarly. The package and plastic box which contain batteries could be treated as ordinary trash. Best way is recycling.

14 Transport Information

Lithium cells and batteries are subject to the requirements of the U.S. hazardous materials regulations pursuant to 49 CFR 173.185(b), and IMDG Code pursuant to Special Provision 188. Each cell or battery has been tested under provisions of the UN Manual of Tests and Criteria, Part III, Sub section 38.3.

Lithium cells and batteries are subject to the requirements of UN38.3 (UN Manual of Tests and Criteria, Part III, subsection 38.3), PI965 TO PI967 of IATA DGR, and transported in accordance with applicable regulations and not restricted.

Batteries must be packaged and offered for transportation in a manner that prevents the dangerous evolution of heat (for example, by the effective insulation of exposed terminals) and protects against short circuits.

15 Regulatory Information

| Law information

<Dangerous Goods Regulations>

<Recommendations on the Transport of Dangerous Goods Model Regulations>

<International Maritime Dangerous Goods>

<Technical Instructions for the Safe Transport of Dangerous Goods>

<Classification and code of dangerous goods>

<Occupational Safety and Health Act> (OSHA)

<Toxic Substance Control Act> (TSCA)

<Consumer Product Safety Act> (CPSA)

<Federal Environmental Pollution Control Act> (FEPCA)

<The Oil Pollution Act> (OPA)

<Superfund Amendments and Reauthorization Act TitleIII (302/311 /312/313)> (SARA)

<Resource Conservation and Recovery Act> (RCRA)

<Safety Drinking Water Act> (CWA)

<California Proposition 65 >

<Code of Federal Regulations> (CFR)

In accordance with all Federal, State and local laws.

16 Other Information

This information is not effective to all the batteries manufactured by Jinko Solar Co., Ltd.

This

information comes from reliable sources, but no warranty is made to the completeness and accuracy of information contained. We don't assume responsibility for any damage or loss because of misuse of batteries. Users should grasp the correct use method and be responsible

for the use of batteries.

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