



Operator Manual

**i-SYNERGY**  
Cleaning Management in Motion

# **Lithium-ion Batteries Manual**

## **锂电池组使用说明书**

**型号/Model:N240130**

**型号/Model:N240600**

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## SAFETY PRECAUTIONS

All operators should read, understand and exercise the following safety precautions. Any damage caused by misuse or unauthorized persons will void the warranty.

**1. Do not dismantle the batteries.**



**WARNING:** Dismantling batteries may cause short-circuit. Which can result in explosion or fire. Moreover, dismantling batteries may cause the leaking of electrolyte. If electrolyte gets into your eyes or any part of your body, please wash with a large amount of fresh water and see a doctor immediately.

**2. Do not overdischarge the batteries.**

**3. Do not short-circuit the batteries.**

**4. Do not punch or press the batteries. Do not put heavy objects on the batteries.**

**5. Keep the batteries away from fire and flammable objects, keep the batteries dry.**

**6. Do not cover the batteries with any electroconductive objects.**

## SPECIAL ATTENTION

**1. During the charging process, if there is any abnormal smell or sound, please stop charging the batteries immediately.**

**2. During the usage process, if there is any abnormal smell or sound, please stop using the batteries immediately.**

**3. Don't dismantle the batteries if error occurs, contact your distributor as soon as you can.**

**4. Don't use organic solvent to clean the batteries, if the battery catches fire, use carbon tetrachloride extinguishers or sand, do not use carbon dioxide extinguishers.**

**5. After the batteries discharge, the batteries must to be charged in time. If you don't use the batteries for a long time, please charge once every month at least.**

## BATTERY COMPONENTS

1. Communication Interface
2. Cells balance,battery maintenance
3. Battery positive
4. Battery negative
5. Reset button



N240600

1. Reset button
2. Communication Interface
3. Cells balance,battery maintenance
4. Battery positive
5. Battery negative



N240130

## TECHNICAL SPECIFICATIONS

ITEM	PARAMETRIC	
	N240130	N240600
SIZE	376x340x253mm	535x364x263mm
NOMINAL CAPACITY	120Ah	240Ah
NOMINAL VOLTAGE	24V DC	
MAX. OUTPUT CURRENT	60A	150A
CHARGER INPUT	AC100V~240,50/60Hz	AC100V~240,50/60Hz
CHARGER OUTPUT	15A	30A
CHARGING TIME	≤ 10h	
WEIGHT	31KG	59KG
CHARGING ENVIRONMENT TEMPERATURE	0 ~ 45°C	
APPLYING ENVIRONMENT TEMPERATURE	-5 ~ 55°C	
STORAGE ENVIRONMENT TEMPERATURE	-10 ~ 65°C	

## BASIC TROUBLE SHOOTING

PROBLEM	SOLUTION
CHARGING AND DISCHARGING ERROR	<ol style="list-style-type: none"> <li>1. CHECK WIRING</li> <li>2. CHECK BATTERY OUTPUT VOLTAGE</li> <li>3. CHECK CONNECTION</li> <li>4. DISCONNECT LOAD BEFORE RECONNECTING</li> <li>5. PROTECTION BOARD ERROR , PRESS "RESET"</li> </ol>
OVER-HEATING DURING OPERATION	<ol style="list-style-type: none"> <li>1. MAX. OUTPUT CURRENT IS EXCEEDED</li> <li>2. LOOSE CONNECTION</li> </ol>

## FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.