



OPERATING MANUAL

Battery PAEZ-BT2 Battery Set PAEZ-BT2H

Before using the battery

■ Notes to the user

- This product must be handled by qualified personnel with expert knowledge of electrical and mechanical engineering. Before using the product, please read “Safety precautions”, carefully to ensure correct use.
- This product is designed and manufactured for use as an internal component for general industrial equipment. Do not use the product for any other purpose. Oriental Motor shall not be liable whatsoever for any damage arising from a failure to observe this warning.
- Should you require the inspection or repair of internal parts, please contact the Oriental Motor branch or sales office from which you purchased the product.
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Thank you for purchasing an Oriental Motor product.

This Operating Manual describes product handling procedures and safety precautions.

- Please read it thoroughly to ensure safe operation.
- Always keep the manual where it is readily available.

Safety precautions

The precautions described below are intended to prevent danger or injury to the user and other personnel through safe, correct use of the product. Use the product only after carefully reading and fully understanding these instructions.

 Warning	Handling the product without observing the instructions that accompany a “Warning” symbol may result in serious injury or death.
Note	The items under this heading contain important handling instructions that the user should observe to ensure safe use of the product.

Always observe the following items when using the battery. Failure to handle the battery correctly may cause the battery to leak or burst, resulting in injury or equipment damage.

Warning

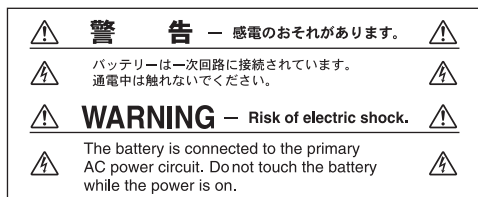
- Do not heat the battery or throw it into a fire.
- Never short-circuit the battery or connect the positive and negative terminals in reverse.
- When carrying/storing the battery, do not place it together with metal necklaces, hairpins, coins, keys or other conductive objects. Also, store the battery away from direct sunlight in a place not subject to high temperature or high humidity.
- Do not disassemble or modify the battery.
- Do not apply solder directly to the battery.
- Use a dedicated charger (controller) to charge the battery.
- The battery has a vent structure for the release of internal gas. Do not apply a strong force to the battery, since it may cause this structure to deform.
- When installing the battery into the machine, never place it inside a sealed structure. The battery sometimes generates gas, which, if trapped, may cause a burst or an explosion due to ignition.
- The battery contains an alkali solution. If the alkali solution comes in contact with the skin or clothes, flush the area thoroughly with clean water. If the alkali solution gets into the eyes, do not rub. Flush the eyes thoroughly with clean water and seek immediate medical attention.
- Do not use the battery if there is leakage, discoloration, deformation or another abnormality.
- Do not immerse the battery in water or seawater, nor allow it to become wet. Doing so may cause the battery to generate heat or rust.
- Do not scratch the battery. A scratched battery easily causes shorting, resulting in leakage, heat generation or bursting.
- The battery is connected to the primary circuit, so do not touch the battery while the power is on.

- Note**
- Always charge the battery before using.
 - The product uses nickel-cadmium batteries. Dispose of the used batteries in accordance with local laws and regulations. If you have any questions regarding disposal of the product, please contact any Oriental Motor branch or sales office.

Safety labels

The following label and name plate are attached on the battery to ensure safety. Be sure to follow the instructions and cautionary information given on the label and name plate to use the product safely and correctly.

- Battery warning label for electric shock (Material: Polypropylene)



- Battery name plate (Material: PET)



Preparation

■ Checking the product

Upon opening the package, verify that the items listed below are included. Report any missing or damaged items to the branch or sales office from which you purchased the product.

Packing list

- Battery 1 pc.
- Battery holder (PAEZ-BT2H only) 1 pc.
- Operating manual (this manual)..... 1 copy

■ Checking the model name

Check the model number against the number indicated on the product.

Battery model: **PAEZ-BT2**

Storage

■ Location for storage

Leave the product in the packing carton until immediately before installation. If the product is not to be used for an extended period of time, store it in a place that satisfied the following conditions:

- A clean place not subject to excessive humidity or salt
- A place away from direct sunlight
- A relative humidity of 85% or below (non-condensing)
- A place not exposed to corrosive gases
- A place not subject to continuous vibration

Note When storing the battery, disconnect the battery connector. Store the battery in a place with an ambient temperature of -20 to $+45$ °C (-4 to $+113$ °F) [or -20 to $+35$ °C (-4 to $+95$ °F) if the battery is to be stored for three months or more] where humidity is not excessively high. Failure to heed this instruction may result in leaked battery fluid, rusting or performance deterioration of the battery.

Connecting and removing

The method for connecting and removing of the battery to a controller shall be as described in the user manual for the controller to be used in combination with the product.

Symbol mark



This symbol mark is for countries of European Union only.

This symbol mark is according to the directive 2006/66/EC Article 20 information for end-users and Annex II.

This symbol mark means that the battery, at end-of-life, should be disposed of separately from your household waste.

If chemical symbol is printed beneath the symbol mark shown above, this chemical symbol means that the battery contains a heavy metal at a certain concentration.

This will be indicated as follows:

Hg:mercury(0.0005%), Cd:cadmium(0.002%), Pb:lead(0.004%)

In the European Union, there are separate collection systems for used batteries.

Please dispose of batteries correctly at your local community waste collection/recycling center.

- Please contact your nearest Oriental Motor office for further information.

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