

Battery Pack SB-310V

for AED-3100

本品は、出荷される国や地域により仕様等が異なることがあります。
 ※日本向け製品については、日本語で記載しています。
 英語などその他の言語で記載されている内容は、日本以外に出荷される製品の説明です。

Some specifications of this product may differ depending on the destination country or region. Therefore descriptions in the Japanese manual and English and other language manuals may also differ.

General

The SB-310V battery pack is for an AED-3100 automated external defibrillator (hereafter referred to as AED).

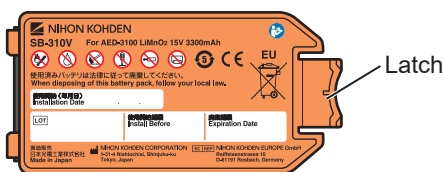
NOTE: When using this battery pack, also refer to the operator's manual for the AED.

Composition

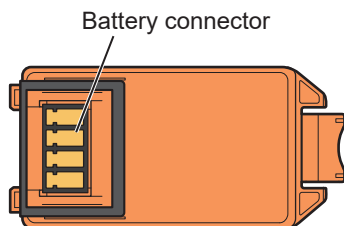
Name	Qty
SB-310V battery pack	1
Battery label (not used)	1
This operator's manual	1

Panel Description

Front

















Back



Symbols

The following symbols are used with this battery pack. The description of each symbol is shown in the table below.

Symbol	Description
 Background color: blue	Follow instructions for use
 Circular band and slash: red	Keep away from fire
 Circular band and slash: red	Keep away from water
 Circular band and slash: red	Avoid strong impact or dropping
 Circular band and slash: red	Never disassemble or modify
 Circular band and slash: red	Do not recharge
 Circular band and slash: red	Never short circuit the + and - terminals on the battery
	Products marked with this symbol comply with an environmental protection use period of 5 years according to the SJ/T11364 "Marking for the Restricted Use of Hazardous Substances in Electronic and Electrical Products" of the People's Republic of China Electronic Industry Standard.
	Manufacturer
	Authorized representative in a European Community
	Lot number
	Medical device The MD symbol is applied in accordance with European Union legislation.
	The CE mark is a protected conformity mark of the European Union.
	Products marked with this symbol require separate waste collection according to EU battery directive 2006/66/EC.

Safety Information

⚠ WARNING A warning alerts the user to possible injury or death associated with the use or misuse of the instrument.

⚠ CAUTION A caution alerts the user to possible injury or problems with the instrument associated with its use or misuse such as instrument malfunction, instrument failure, damage to the instrument, or damage to other property.

⚠ WARNING

Never do the following. The following may cause leak, overheating, explosion and fire.

- Giving an impact to the battery pack by dropping or throwing.
- Charging, short-circuit, disassembly, deformation, overheating, dropping into fire, or immersing in water.

⚠ WARNING

The battery pack must be inserted in the AED when you install the AED. If there is no battery pack in the AED, self test is not performed and the AED condition is not maintained.

⚠ WARNING

If the battery pack is damaged and the substance inside the battery pack contacts the eyes or skin, wash immediately and thoroughly with water and see a physician. Never rub your eyes, because you may lose your eyesight.

⚠ WARNING

Do not expose the battery pack to direct sunlight or leave in a high temperature place such as in a car on a hot day or in front of a heater. The lifetime of the battery pack may be shortened, the performance of the battery pack may be degraded and the battery pack may leak.

⚠ WARNING

Do not use the battery pack if it is wet. Too much electricity might be discharged and the battery pack gets damaged.

⚠ WARNING

Do not use a broken or deformed battery pack. It may explode or cause fire.

⚠ CAUTION

Check the remaining battery power periodically.

⚠ CAUTION

Store the battery pack in the following conditions. Otherwise, the battery pack might deteriorate.

- Temperature: -20 to $+70^{\circ}\text{C}$ (-4 to 158°F)
- Humidity: 5 to 95% (noncondensing)

⚠ CAUTION

When disposing of the battery pack, follow your local law.

⚠ CAUTION

In the following cases, the life of the battery pack may become shorter than 4 years.

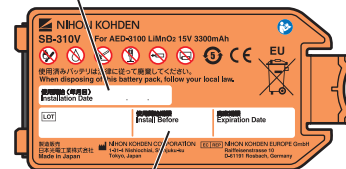
- Turning the AED on and off too frequently for purposes other than rescue or inspection.
- Turning the AED power on for a long time, such as during training or inspection.
- Discharging energy too many times for testing.

NOTE: When transporting this battery pack by aircraft or ship, it should be treated as a class 9 hazardous material.

Writing Down the Installation Date

When installing the battery pack in the AED for the first time, write the date of first use in the Installation Date column on the label of the battery pack.

Write the date of first use here.



Check the due date before use.

- NOTE
- Do not use the battery pack which is past the "Install Before" date on the label.
 - Do not use the expired battery pack if the installation date is within four years.
 - Start using the battery pack before the "Install Before" date.
 - During monthly inspection, check that four years have not passed since the installation date.
 - Replace the battery pack with a new one if four years have passed since the installation date.

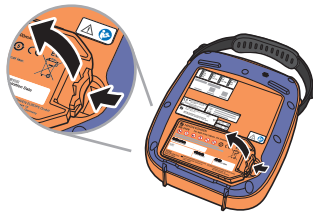
Installing or Removing the Battery Pack in the AED

NOTE: Promptly replace the battery pack if no power remains, or it is four years after the installation date, or past the expiration date.

Removing the Battery Pack

If a battery pack is installed, remove the battery pack from the AED by pushing in the latch and slowly removing the battery pack.

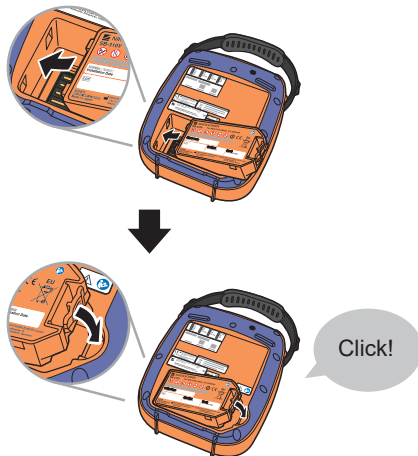
NOTE: Before removing the battery pack, make sure that the AED lid is closed, the AED power is off, and more than 5 seconds has passed after turning the AED power off. Otherwise, the data might not be saved in the AED correctly.



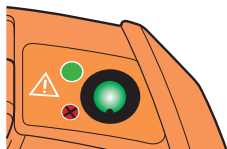
Installing the Battery Pack

1. Check that the installation date is written on the new battery pack label. Insert the new battery pack into the battery pack slot from the battery connector and push it in until it clicks.

NOTE: When you install the battery pack, be sure to close the AED lid and set the power switch to Off.



2. Check whether the status indicator is green.
When you insert the battery pack into the AED, a “pip” sounds. Then after about 15 seconds, the status indicator turns green.



3. Install the AED.

Disposal

If the expiration date on the label is past, dispose of the battery pack promptly.

This battery pack is a manganese dioxide lithium battery. When disposing of the battery pack, follow your local law.

Frequently Asked Questions (Troubleshooting)

Q	What should I do if the battery power gets low while I am using the AED?
A	After you hear “Battery low.” from the AED for the first time, you can deliver about nine defibrillation shocks. Prepare a new battery pack before the existing battery pack completely runs out and replace the existing battery pack with the new one.
Q	How can I tell that the remaining battery power is low?
A	Remaining battery power is low when the leftmost Battery Status Indicator on the AED is red or the second indicator from the left is green. After the red indicator lights for the first time, you can deliver about nine defibrillation shocks.

Reference

Specifications

Type of Battery, Voltage and Capacity

Battery type: manganese dioxide lithium battery

Rated voltage: 15.0 V

Rated capacity: 3300 mAh

Recharging:

non-rechargeable

Lithium contents:

6.40 g (max)

NOTE: When transporting this battery pack by aircraft or ship, it should be treated as a class 9 hazardous material.

Items in the internal memory:

battery model, serial number, accumulated number of times of charging, elapsed time for operation, accumulated number of times of self-test, quantity consumed

Battery life when the AED is standing by:

4 years (With the battery pack and disposable pads connected to the AED and the AED lid closed.)

Install by date:

2 years from the manufacturing date

Expiration date:

6 years from the manufacturing date

Time for ECG monitoring:

more than 6 hours (With the AED lid open, disposable pads attached to a patient, the voice instruction operated and no defibrillation performed. With a fully charged new battery pack, at temperature 20°C (68°F).)

Number of times for charging (200J):

more than 160 times (With a fully charged new battery pack, at temperature 20°C (68°F).)

Mechanical strength:

MIL-STD-810G 516.6 SHOCK Procedure IV Transit
Drop 1.22 m

Environment**Shipment and transport conditions**

Temperature: -20 to +70°C (-4 to +158°F)

Humidity: 5 to 95% (noncondensing)

Atmospheric pressure: 540 to 1060 hPa

Operating and installation conditions

Temperature: -5 to +50°C (23 to 122°F)

Humidity: 5 to 95% (noncondensing)

Atmospheric pressure: 540 to 1060 hPa

Note for users in the territory of the EEA and Switzerland:
Any serious incident that has occurred in relation to the device should be reported to the European Representative designated by the manufacturer and the Competent Authority of the Member State of the EEA and Switzerland in which the user and/or patient is established.

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Manufacturer

NIHON KOHDEN CORPORATION
1-31-4 Nishiochiai, Shinjuku-ku,
Tokyo 161-8560, Japan
Phone +81 3-5996-8041
<https://www.nihonkohden.com/>



European Representative

NIHON KOHDEN EUROPE GmbH
Raiffeisenstrasse 10, D-61191 Rosbach, Germany
Phone +49 6003-827-0 Fax +49 6003-827-599

SHANGHAI KOHDEN MEDICAL ELECTRONIC INSTRUMENT CORP.
No. 567 Huancheng Bei Road
Shanghai Comprehensive Industrial Development Zone
Fengxian District, Shanghai 201401, China
Phone +86 21-5743-6998 Fax +86 21-5743-6939

NIHON KOHDEN AMERICA, INC.
15353 Barranca Parkway, Irvine, CA 92618, U.S.A.
Toll-free +1-800-325-0283
Phone +1 949-580-1555 Fax +1 949-580-1550

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