Safety Guide

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Safety Guide for Lithium-ion Replacement Battery Cartridge

Important Safety Information - SAVE THIS GUIDE

This Safety Guide contains important instructions that should be followed during installation and maintenance of Lithium-ion UPS batteries.

Read the instructions in this manual carefully and look at the battery to become familiar with it before trying to install it.

Battery safety

⚠ WARNING

RISK OF CHEMICAL HAZARD AND EXCESSIVE HEAT

- Replace the battery at least every 10 years or at the end of its service life, whichever is earlier..
- Replace the battery immediately when the UPS indicates battery replacement is necessary.
- Replace the battery with the same number as originally installed in the UPS.

Failure to follow these instructions can result in death, or serious injury and equipment damage.

NOTE: Servicing of user replaceable batteries should be performed or supervised by personnel knowledgeable about batteries and required precautions.

- Batteries typically last for 10 years and can operate between 32 and 104 °F (0 and 40 °C). Environmental factors impact battery life. Elevated ambient temperatures, poor quality utility power leading to frequent short duration discharges will shorten battery life.
- This battery is a Lithium-ion battery. Under normal use and handling, there is no contact with the internal components of the battery.
- CAUTION: A battery can present a risk of electric shock and burns due to high short circuit current. The following precautions should be taken when working on batteries:
  - Disconnect the charging source prior to connecting or disconnecting battery terminals.
  - Do not wear any metal objects including watches and rings.
  - Do not lay tools or metal parts on top of batteries.
  - Use tools with insulated handles.
  - Refer to the UPS User Manual or Operation Manual to be sure if the battery modules are user replaceable. If the battery modules are not user replaceable, then determine if the battery modules are either intentionally or inadvertently grounded. Contact with any part of a grounded battery module can result in electric shock and burns by high short circuit current. The risk of such hazard can be reduced if the grounds are removed during installation and maintenance of battery modules by a qualified person.
- Wear rubber gloves and boots.
- Do not use a dropped, damaged or deformed battery.
- Do not short circuit the battery.
- Do not drive nails into the battery.
- Do not strike the battery with a hammer.
- CAUTION: Do not place or use the battery near heat or fire.
- CAUTION: Do not crush, or dispose off the battery in a fire. The batteries may explode.

Electrical equipment should be installed, operated, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

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- CAUTION: Do not open the battery enclosure. Doing so will expose the cell terminals which pose an energy hazard.
- CAUTION: Do not open the battery or mutilate the cells inside. Released material is harmful to the skin and eyes and may be toxic.
- CAUTION: A failed battery can reach temperatures that exceed the burn thresholds for touchable surfaces.