

Qoltec[®]



SAFETY WARNINGS FOR USE BATTERY MODULES AND BATTERY MODULE HOUSINGS

The following list of safety warnings has been compiled in accordance with the requirements of the General Product Safety Regulation (EU) 2023/988 (GPSR). Its purpose is to protect users from potential hazards arising from the misuse of products. The warnings have been formulated in a simple and understandable way to be accessible to a wide audience, including the elderly and people with reduced mobility.

The battery modules and battery module housings offered by manufacturer NTEC sp. z o.o. are CE-certified, which proves their compliance with EU safety standards.

Use the battery modules and module housings as intended and as recommended by the manufacturer.

BASIC HAZARDS AND PRECAUTIONS

1. Electrical risk:

- The installation of battery modules and battery module housings should only be carried out by persons qualified in battery and electrical equipment.
- Avoid touching live contacts and wires with bare hands, especially wet hands, to prevent electric shock.
- Connect modules and enclosures according to the manufacturer's instructions, avoiding overloading the circuits.
- Check that the connections in the module housings are correct, especially for battery packs connected in series or parallel.

2. Risk of overheating:

- Ensure adequate ventilation around battery modules and module housings.
- Do not install modules and module housings near heat sources such as radiators, cookers or intense sunlight.
- Monitor the temperature inside the case, especially for larger battery packs, to prevent overheating

3. Chemical and mechanical risks:

- Do not open the battery module housings or modify their design to avoid leakage of electrolyte or other chemicals.
- If the housing is damaged, immediately disconnect the module from the system and contact the service department.

4. Risk of explosion and fire:

- Battery modules and their enclosures can emit flammable gases during operation or charging - ensure the room is adequately ventilated.
- Avoid short-circuiting the contacts of modules and battery packs, which can lead to sparking, overheating or explosion.

SPECIFIC HAZARDS OF USE

5. During installation:

- Battery modules and enclosures must be mounted on a stable, dry, conductive surface.
- In the case of enclosures, check the correctness of the connections between the batteries inside the enclosure, paying attention to the direction of polarity and the quality of the contacts.
- Ensure that the enclosures are properly closed and secured against accidental opening.

5. During operation:

- Regularly monitor module diagnostic indicators such as temperature and state of charge.

- Avoid overloading the modules by ensuring that they are used in accordance with the manufacturer's recommendations.
- For battery packs, regularly check the voltage and the correctness of the connections between the individual cells.

MAINTENANCE PRECAUTIONS

6. Maintenance and storage:

- Regularly check modules and housings for mechanical damage such as cracks, contact corrosion or leaks.
- For enclosures with battery packs, check the condition of the internal connections and the tightness of the enclosure to prevent leaks or corrosion.

7. Status check:

- Regularly check the cables and connectors of the modules and the connections between the batteries in the enclosures for signs of wear and tear, such as abrasions, cracks or loose connectors.

8. Replacing the battery in the module:

- Contact the manufacturer when the battery indicator indicates that the batteries are worn out.

9. Storage:

- When the battery module or the housing for the module is not in use, store it in a dry, clean place, away from moisture and extreme temperatures. Store charged batteries to prevent damage in accordance with battery maintenance recommendations.

ADDITIONAL WARNINGS

10. Child safety:

- Keep the module or housing together with the batteries out of the reach of children to prevent accidental activation of the device or damage to its components.

11. Avoid modifications:

- Do not attempt to modify or repair the UPS yourself. In case of problems, contact the manufacturer or its authorised service centre.

12. Action in the event of an emergency:

- If the unit exhibits abnormal operation, such as overheating, sparking, unusual odour or noises, immediately switch it off and disconnect it from the power supply and then contact the service centre.
- If you observe any unsafe product behaviour, contact the manufacturer urgently.

THE IMPORTANCE OF COMPLYING WITH THE WARNINGS

Following the above warnings minimises the risk of personal injury, equipment failure and property damage. Ignoring the recommendations can lead to serious health and material risks. Keep yourself and your loved ones safe by observing the precautions indicated.

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