

Information about storage, starting up, delivery, care, maintenance and safety guidelines of battery packs and drive systems with battery pack up



Pay attention to these remarks

Storage of the battery back up systems

Room temperature.....	:	from +10° to +40° C
Rel. humidity.....	:	from 30% to 90%
Barometric pressure.....	:	from 700 hPa to 1060 hPa

The connection cable of the battery pack has to be disconnected from the drive system when stored or not in use for a longer period of time. Reconnect the cable when drive is in use, otherwise a discharge can be possible.

Starting up / delivery of the battery back up systems for emergency lowering

- Before delivery of a stored system the battery has to be recharged for **at least 14 hours** to provide a basic charging level.
- Charge the battery (mains plug in the wall socket) for **at least 14 hours** before first-time use. Not until then is the emergency lowering facility fully functional.
- The method how to charge the battery back up system depends on the version,
 - ◆ by the electronic system of the control unit
 - ◆ by the integrated electronic system of the actuator
 - ◆ by a separate charging station.

Disposal of the battery back up systems

The disposal of the battery back up system has to agree with the regional laws. Batteries may not be disposed of with the normal household waste !

Maintenance Notes

- Clean plastic surfaces such as the housing with a slightly damp cloth. Never use cleaning agents for cleaning.
- Following longer periods of storage, the **accumulator** may need to be charged and discharged several times so that performance reaches a peak.
- In several operator and control systems, a small electrical charge may flow even when not in use. This will lead to the **accumulator** running down completely, which may damage the **accumulator**, or even make it unusable in extreme cases. Please ask your customer service agent for more information if required.
- Since **accumulator** run down after a few months, the manner in which **lead-gel accumulator** are stored is irrelevant. When stored for longer than six months, a **lead-gel accumulator** should be stored fully charged. The **accumulator** should also be recharged at least once every 12 months.

Care tips

- Make sure the **accumulator** is kept clean and dry at all times. Do not short-circuit the **accumulator**. Store the **accumulator** in such a way that the connections do not short-circuit each other, or short-circuit by coming into contact with metal objects.
- Do not subject the **accumulator** to mechanical vibrations.
- Do not use any charging station other than the one recommended for this appliance.
- Do not let the **accumulator** come into contact with organic solvents such as solvents, alcohol, oil and antirust agents, or agents abrasive to the surface such as chemical cleaning agents.
- Keep the original documents for future reference.
- The **accumulator** performs best at normal room temperatures between 20°C and 25°C.
- Do not submerge the **accumulator** in water or leave it in a damp place. Store it in a place that is dry and cool, recommended relative humidity shall be approx. 50%.
- Only use the **accumulator** for the purpose for which it was designed.

Safety tips

- Do not open or damage the **accumulator**.
- Do not expose the **accumulator** to heat or open flames. Avoided storing it in direct sunlight.
- If the **accumulator** leaks and you come into contact with the fluid, wash the affected area thoroughly in water and consult a doctor immediately.
- Only use the **accumulator** for the purpose for which it was designed.
- Store the **accumulator** well out of the reach of children.
- Do not throw the **accumulator** into fire, or open it, or solder or weld it.