Lithium-ion batteries in Beltone Amaze hearing solution



Battery life	Charging required
30 hours	3 hours
16 hours	1 hour
8 hours	30 minutes

Introduction

The rechargeable batteries in the Beltone Amaze hearing aids and the hearing aid charger are lithium-ion batteries. The lithium-ion batteries are commonly used in household and personal electronics, such as mobile phones, tablets, laptops, power banks, tooth brushes, etc. The reason for lithium-ion's popularity is because it holds a charge much better than other rechargeable batteries and is a reliable energy source.

Battery life

A 3-hour charge gives up to 30 hours of use for your Beltone Amaze hearing aids or 24 hours, when streaming television, music, or other audio for 50% of the time.*

Our laboratory test of the lithium-ion battery in the hearing aid shows that with 4 years of use, the capacity of the battery will still provide more energy than daily use with up to 20 hours of use or 16 hours, when streaming 50% of the time.**

The capacity of the charger battery, when fully charged, provides 3 additional full charges for two Beltone Amaze hearing aids. Our test shows that the charger capacity will be at least 80% after 4 years.

It takes up to 3 hours to fully recharge the charger.

Charging Method

The charger uses an inductive charging method. This method exploits an electromagnetic field to transfer energy between two objects. There are no physical contacts that can be damaged or corroded, which makes this charging method very reliable. The charging power is low energy and therefore will not heat up.

The benefit of inductive charging to users is that it eliminates the hassle of having to align the hearing aids inside a charger exactly, which makes the entire charging system easy to use, more reliable, and convenient.

* Expected operating time of the rechargeable battery depends on active features, the use of wireless accessories, hearing loss, battery age and sound environment

** Daily use is defined as 16 hours of use

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Good practice

The lithium-ion batteries perform best under “normal temperatures” e.g. 15°C - 35°C / 59°F - 95°F degrees. Avoid storing your hearing aids and hearing aids charger near sources of heat or cold.

The hearing aid charger will not charge the hearing aids if they are below 0°C/32°F or higher than 40°C/104°F. Between 0°C/32°F and 10°C/50°F the charging time will be longer. If you are in an environment where the temperature is below 0°C/32°F, it is recommended to wear the charger close to the body when charging.

Moisture comes from a variety of sources, including perspiration. If a drying solution is needed, it is recommended to use a drying container with a drying capsule. Avoid using an electric dryer. The heat from the electric dryer accelerates the deterioration of the lithium-ion battery and reduces the lifetime of the battery.

The frequency of charging the hearing aid batteries does not have any effect on the battery lifetime. The hearing aids can be charged whenever needed with no concern.

Travelling with Beltone Amaze

If you are planning to fly with Beltone Amaze hearing aid charger, it must be carried in the hand luggage, like a laptop or a cell phone.

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